GTX300043

Antibody tools: Loading Controls and Organelle Markers Antibody Panel

References (1)

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX213111-01	Goat Anti-Mouse IgG antibody (HRP)	Mouse	WB, IHC-P, ELISA, IHC	25 µl
GTX627408	GAPDH antibody [GT239]	Human, Mouse, Rat, Zebrafish, Yeast, Drosophila, Dog, Hamster, Pig, Monkey, Candida albicans, E. coli, Chinese Hamster	WB, ICC/IF, IHC-P, EMSA	10 µl
GTX628802	alpha Tubulin antibody [GT114]	Human, Mouse, Rat, Zebrafish, Goat, Drosophila, Crucian carp	WB, ICC/IF, IHC-P, IHC-Fr, FCM	10 µl

Note

For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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Goat Anti-Mouse IgG antibody (HRP)

Cat. No. GTX213111-01

Host	Goat
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, ELISA, IHC
Reactivity	Mouse

References (469)
Package
1 ml

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
IHC-P	1:100-1:1000
ELISA	1:5000-1:20000
IHC	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl, 1%BSA
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.78 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Highly purified whole mouse IgG
Purification	Purified by antigen-affinity chromatography.
Conjugation	Horseradish peroxidase(HRP)
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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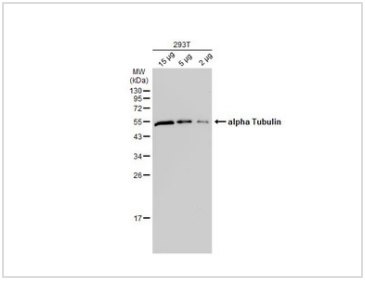
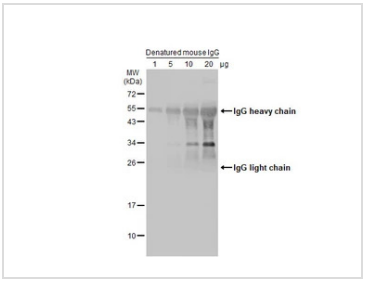
DATA IMAGES



GTX213111-01 WB Image

Various whole cell extracts were separated by 12% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



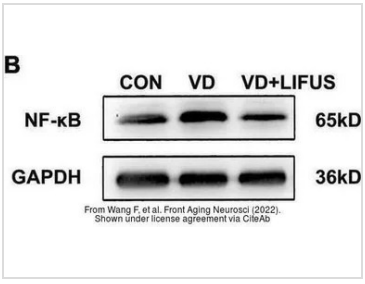
GTX213111-01 WB Image

Various amounts of denatured mouse IgG protein were separated by 12% SDS-PAGE, and the membrane was blotted with HRP-conjugated anti-mouse IgG antibody (GTX213111-01) diluted at 1:5000.



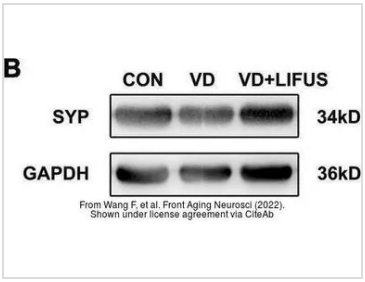
GTX213111-01 IHC-P Image

E2F1 antibody [16G7] detects E2F1 protein at nucleus in mouse cervix by immunohistochemical analysis.
Sample: Paraffin-embedded mouse cervix.
E2F1 antibody [16G7] (GTX70163) diluted at 1:500.
The signal was developed by Mouse IgG antibody (HRP) (GTX213111-01).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX213111-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. PMID: 35264943



GTX213111-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. PMID: 35264943

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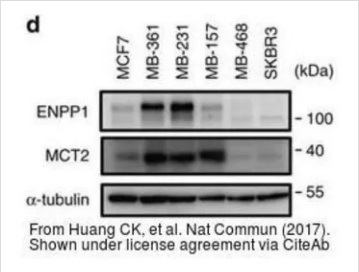
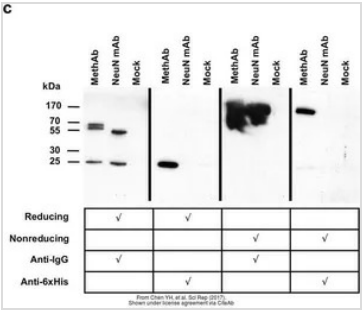


GTX213111-01 WB Image

The data was published in the 2017 in Nat Commun. PMID: 28281525



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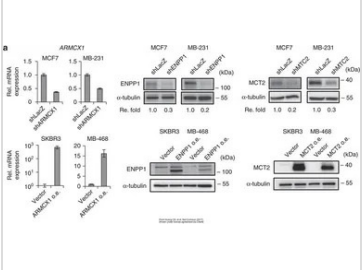

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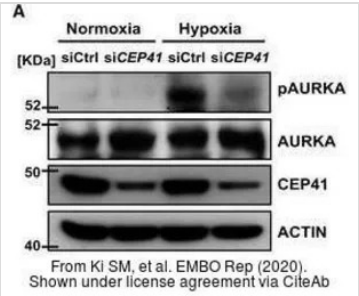
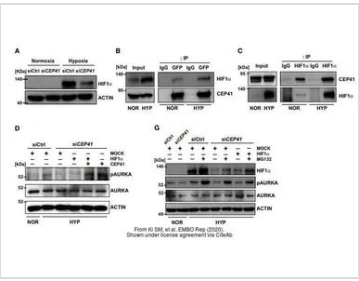


GTX213111-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126



GTX213111-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126

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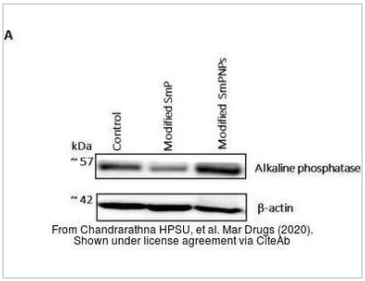
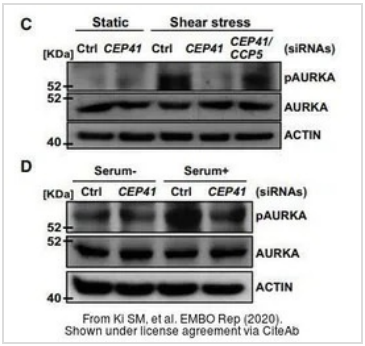


GTX213111-01 WB Image

The data was published in the journal Mar Drugs in 2020. PMID: 32245246



GTX213111-01 WB Image

The data was published in the journal EMBO Rep in 2020. PMID: 31885126

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GAPDH antibody [GT239]

Cat. No. GTX627408

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-P, EMSA
Reactivity	Human, Mouse, Rat, Zebrafish, Yeast, Drosophila, Dog, Hamster, Pig, Monkey, Candida albicans, E. coli, Chinese Hamster

References (619)

Review (7)

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
EMSA	Assay dependent

Not tested in other applications.

Observed MW (kDa)	36 kDa.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human GAPDH. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

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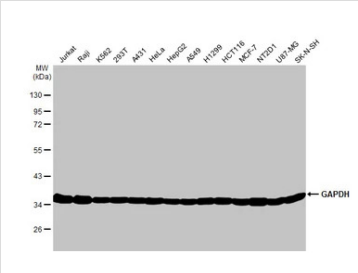
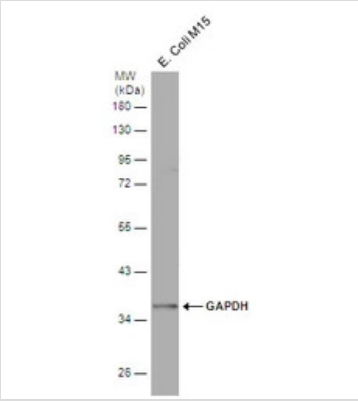
DATA IMAGES



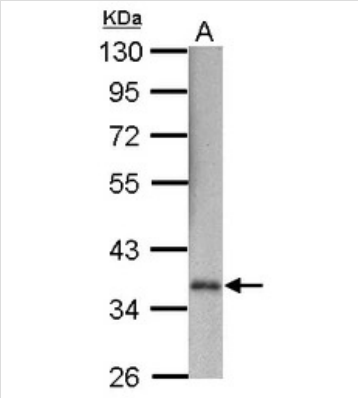
GTX627408 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

Sample (30 µg of whole cell lysate)
A: Drosophila
10% SDS PAGE
GTX627408 diluted at 1:5000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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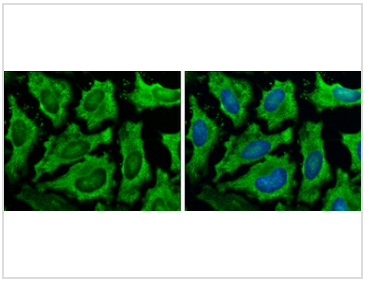
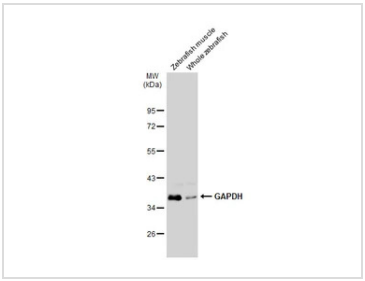


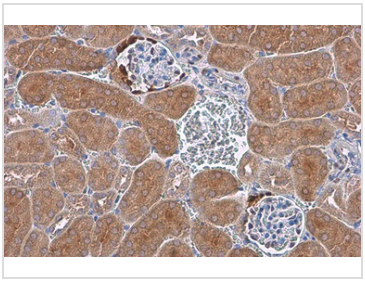
GTX627408 ICC/IF Image

GAPDH antibody [GT239] detects GAPDH protein at cytoplasm by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
Green: GAPDH stained by GAPDH antibody [GT239] (GTX627408) diluted at 1:500.
Blue: Hoechst 33342 staining.



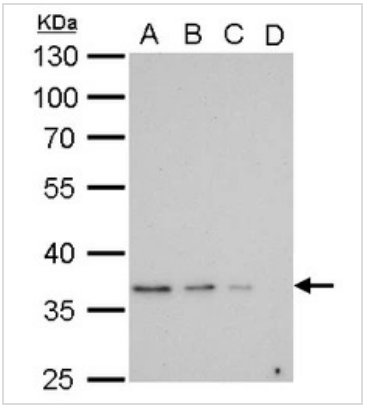
GTX627408 WB Image

Various tissue extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



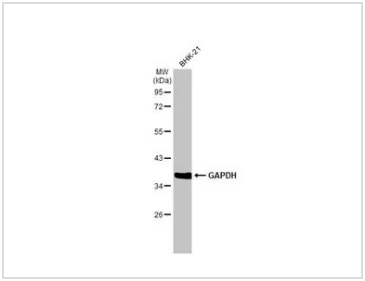
GTX627408 IHC-P Image

GAPDH antibody [GT239] detects GAPDH protein at cytoplasm by immunohistochemical analysis.
Sample: Paraffin-embedded mouse kidney.
GAPDH stained by GAPDH antibody [GT239] (GTX627408) diluted at 1:200.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX627408 WB Image

GAPDH antibody [GT239] detects GAPDH protein by western blot analysis.
A. 20 µg 293T whole cell lysate/extract
B. 10 µg 293T whole cell lysate/extract
C. 5 µg 293T whole cell lysate/extract
D. 1 µg 293T whole cell lysate/extract
10% SDS-PAGE
GAPDH antibody [GT239] (GTX627408) dilution: 1:10000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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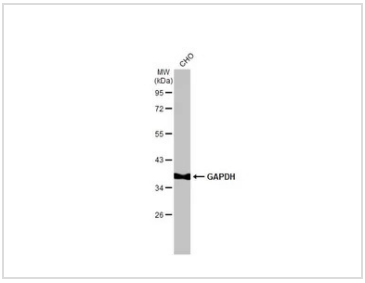
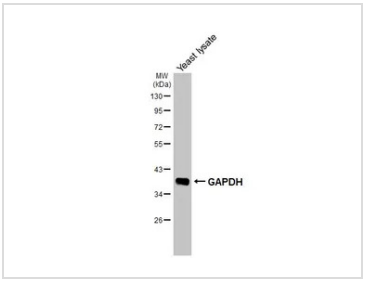


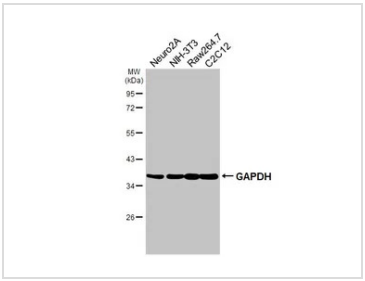
GTX627408 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



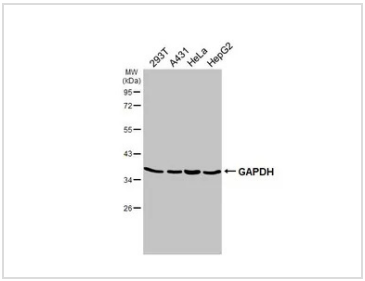
GTX627408 WB Image

Yeast lysate was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



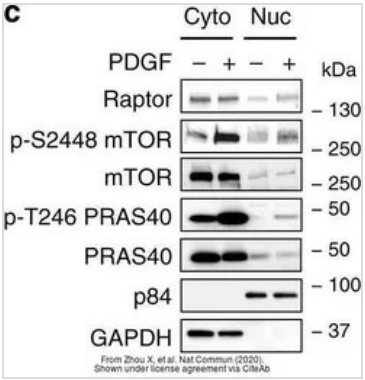
GTX627408 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

The data was published in the Nat Commun in 2020. PMID: 33257668

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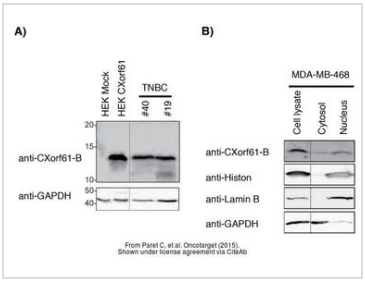
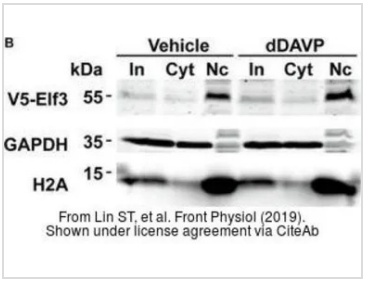


GTX627408 WB Image

The data was published in the journal Oncotarget in 2015.PMID: 26327325



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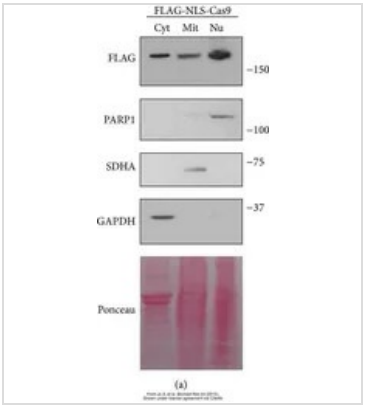
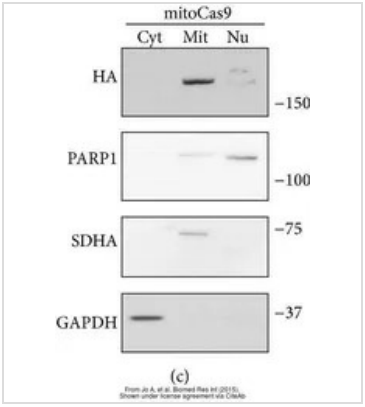
The data was published in the journal Front Physiol in 2019. PMID: 31681015



GTX627408 WB Image

The data was published in the journal Biomed Res Int in 2015. PMID: 26448933



GTX627408 WB Image

The data was published in the journal Biomed Res Int in 2015. PMID: 26448933

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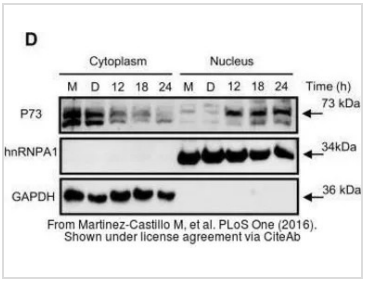
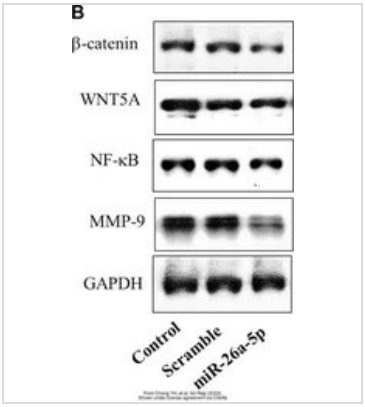


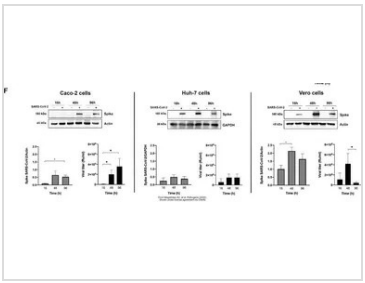
GTX627408 WB Image

The data was published in the journal PLoS One in 2016. PMID: 27832139



GTX627408 WB Image

The data was published in the 2022 in Sci Rep. PMID: 35484165



GTX627408 WB Image

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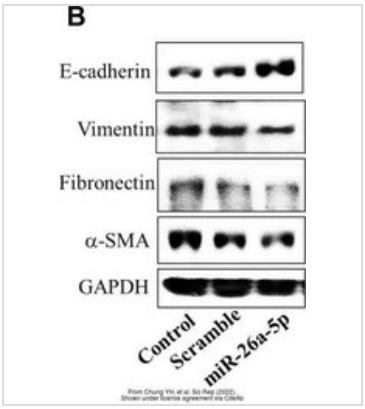

GTX627408 WB Image

The data was published in the 2022 in Sci Rep. PMID: 35484165

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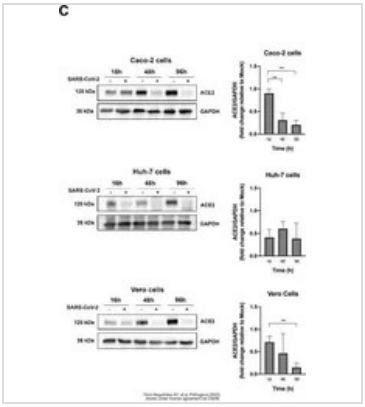

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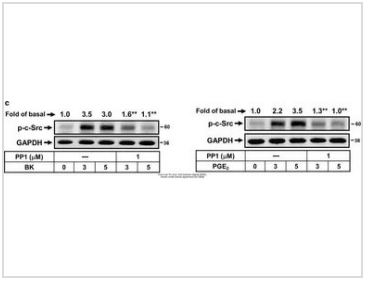

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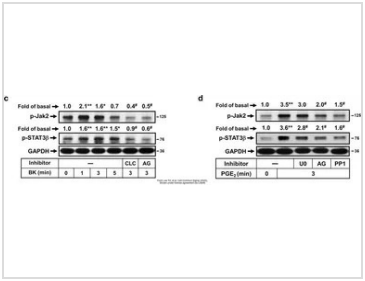

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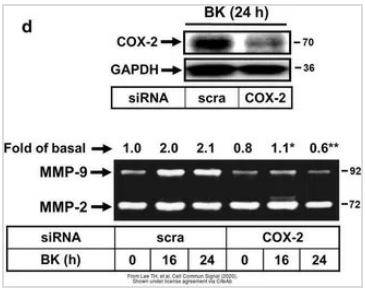

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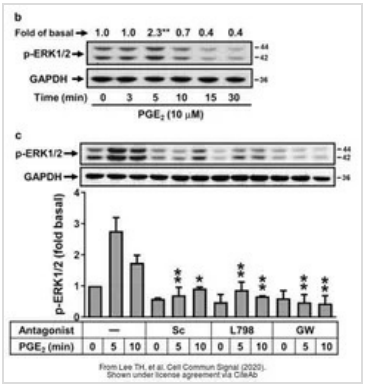

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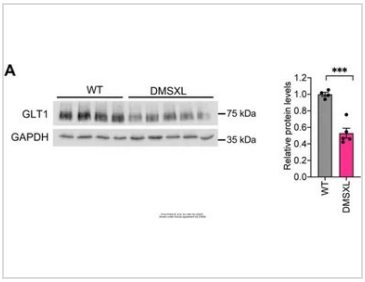

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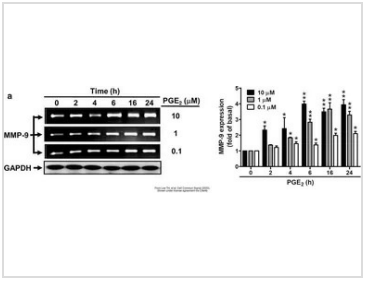

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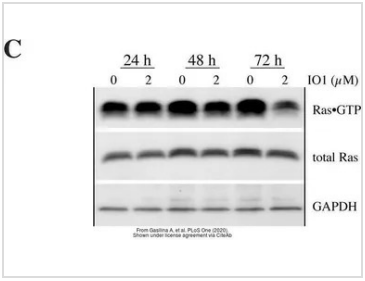

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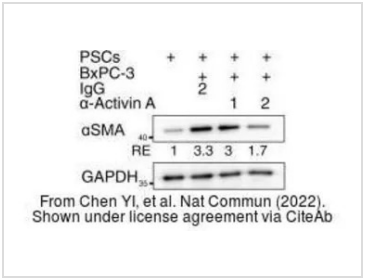

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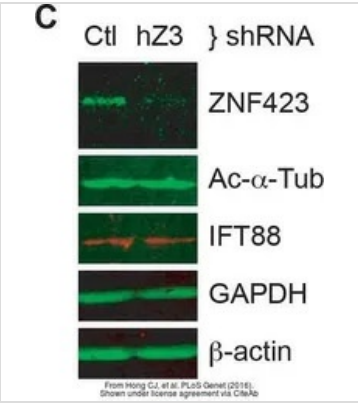

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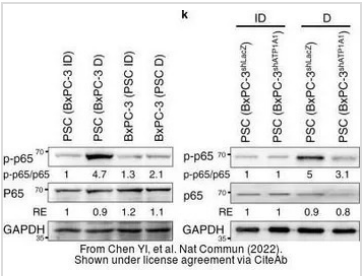

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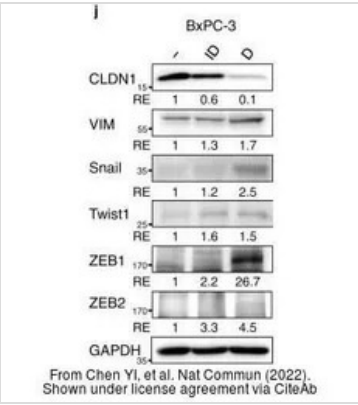

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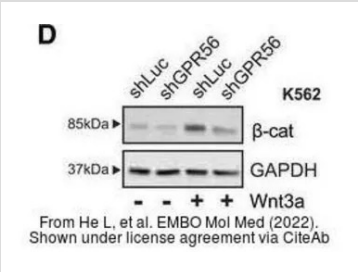

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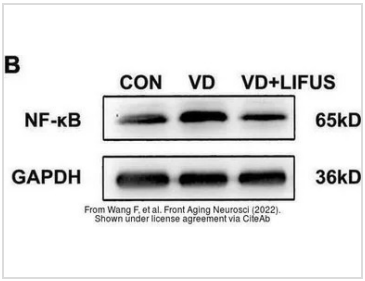

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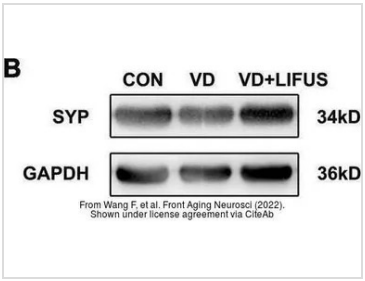

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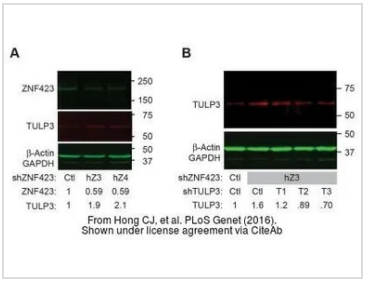

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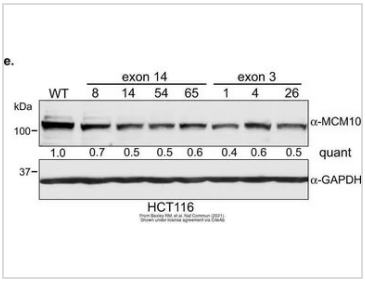

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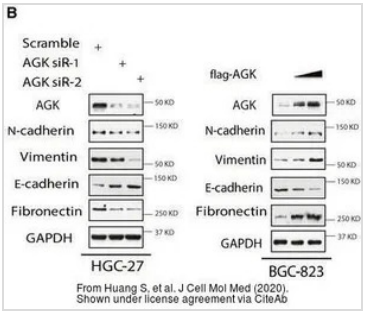

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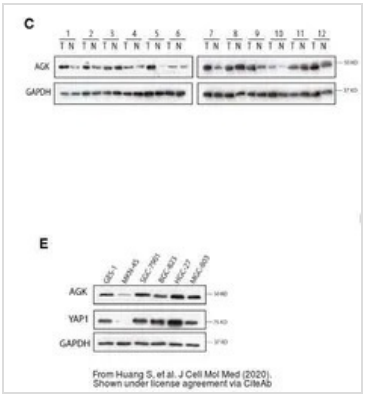

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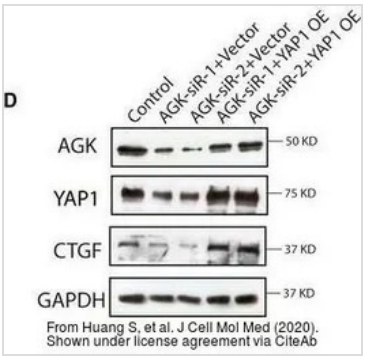

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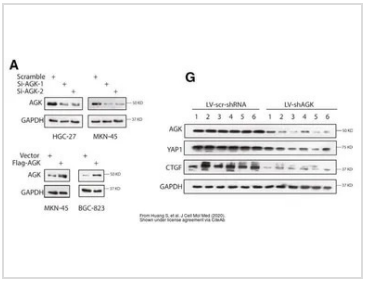

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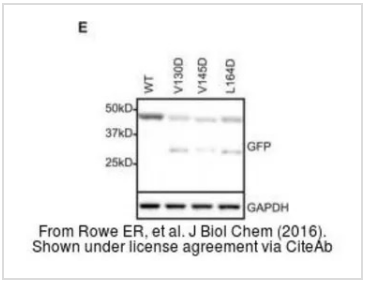

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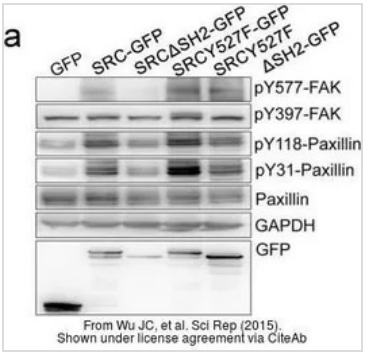

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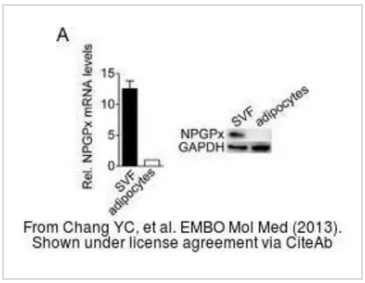

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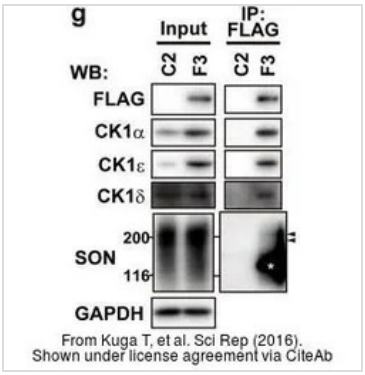

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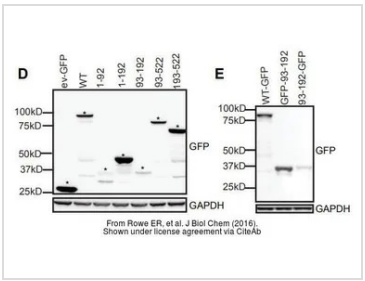

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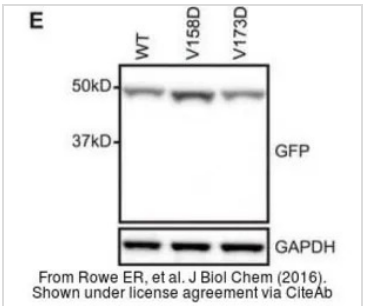

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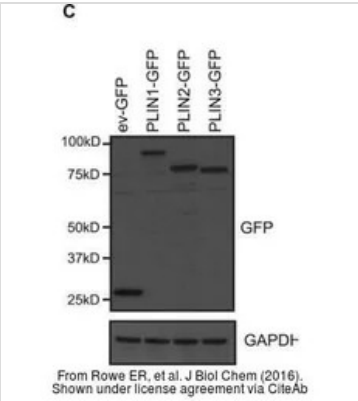

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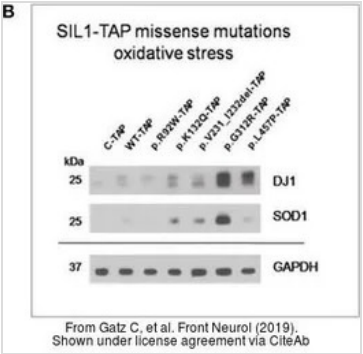

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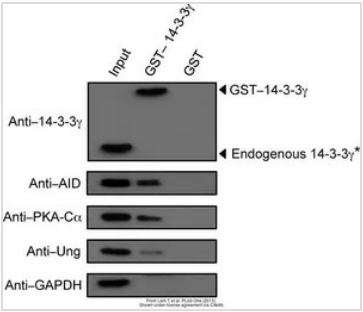

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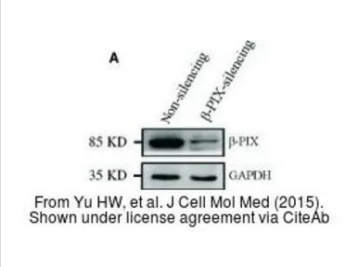

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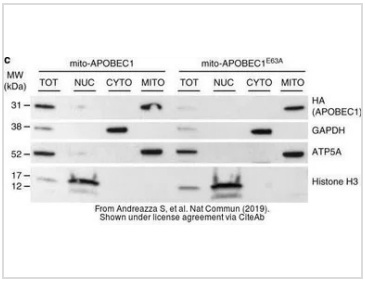

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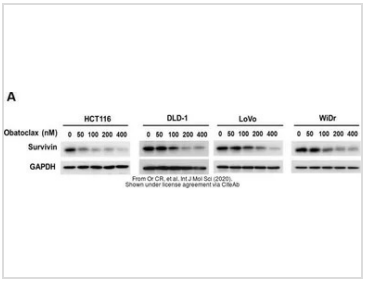

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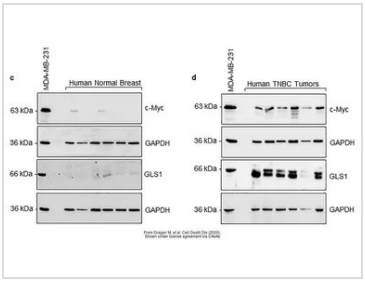

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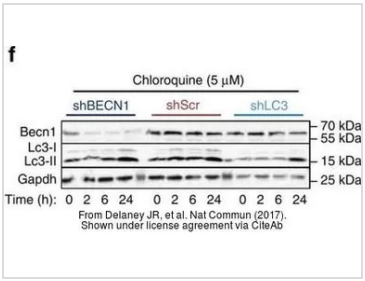

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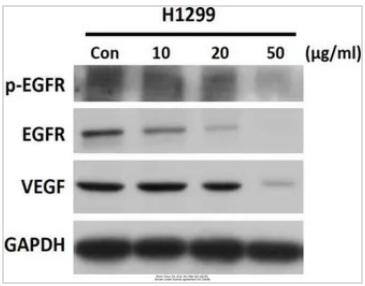

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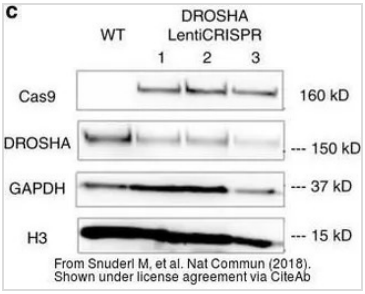

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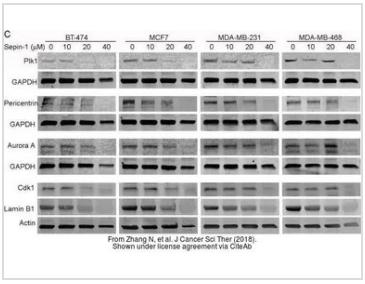

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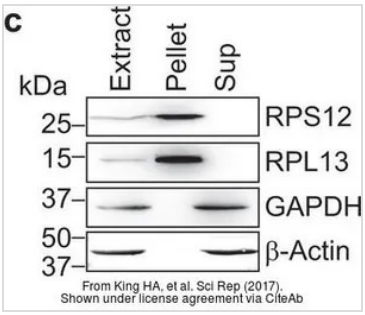

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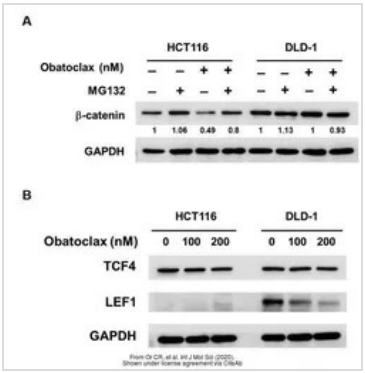

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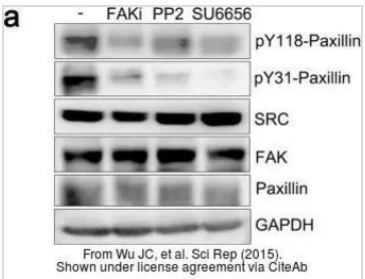

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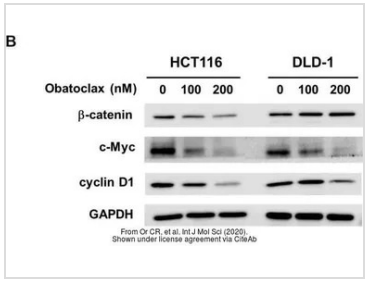

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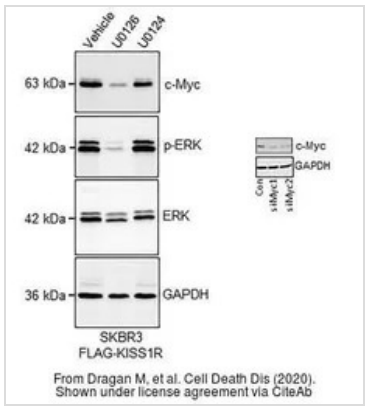

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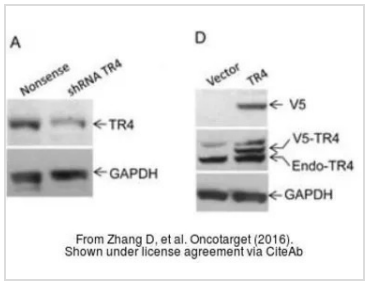

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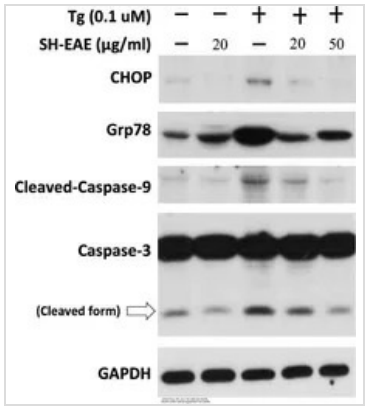

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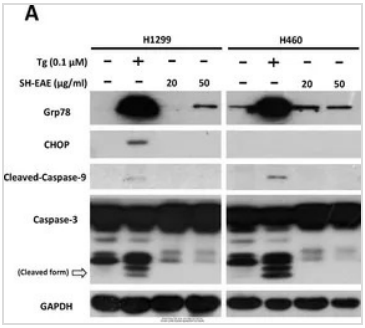

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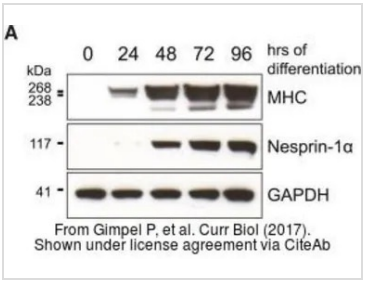

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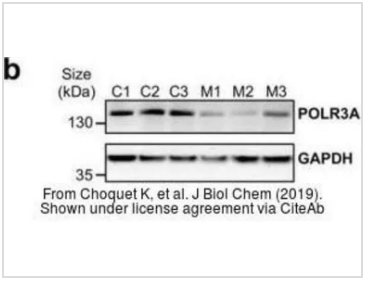

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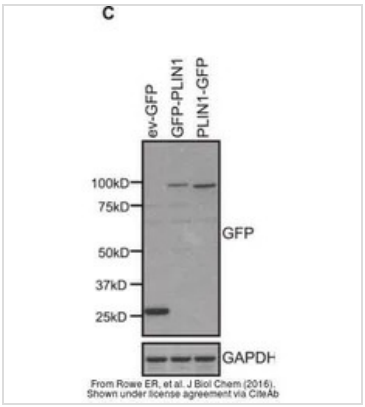

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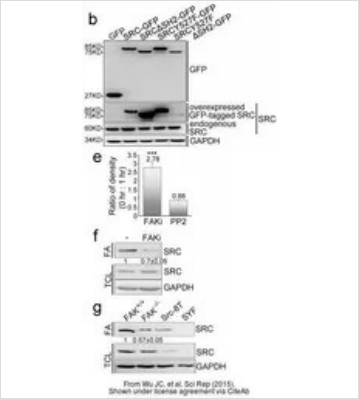

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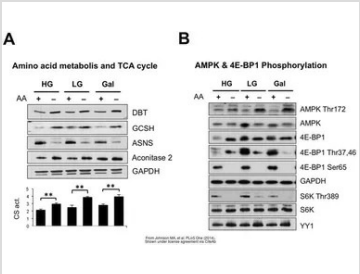

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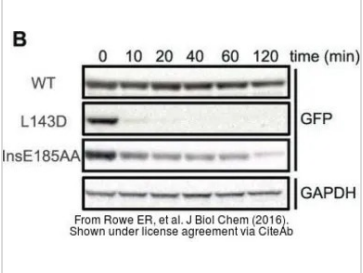

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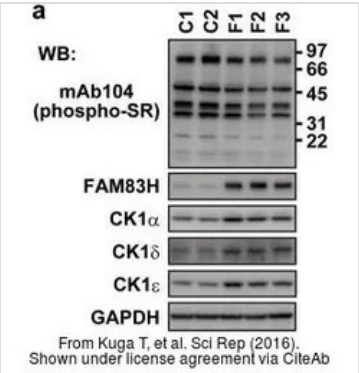

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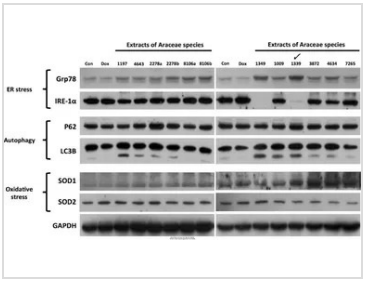

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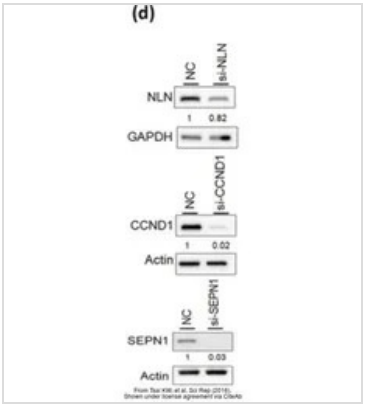

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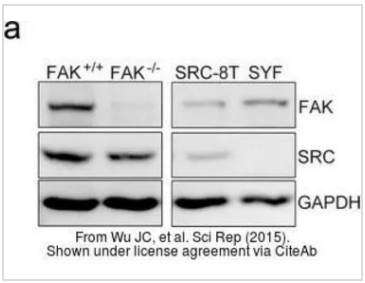

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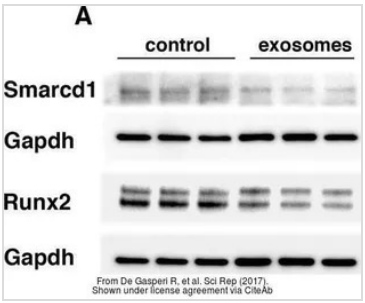

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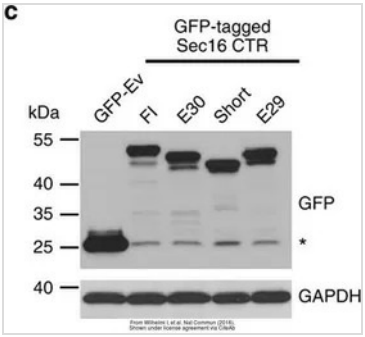

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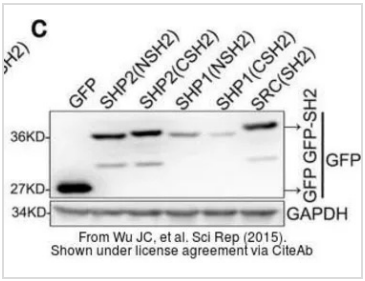

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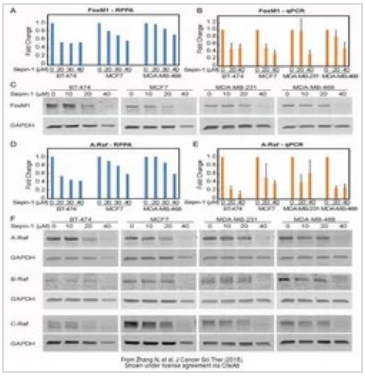

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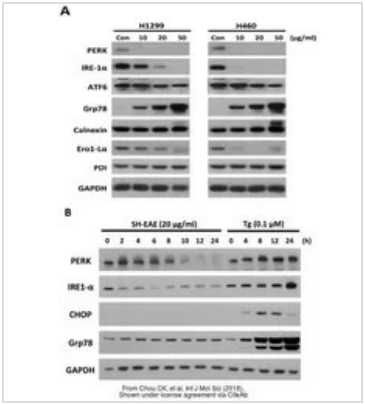

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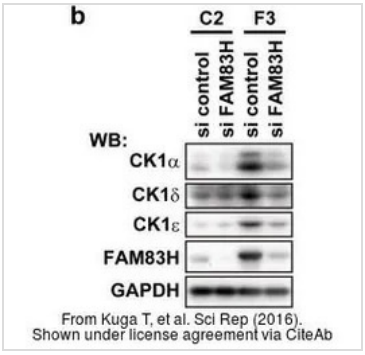

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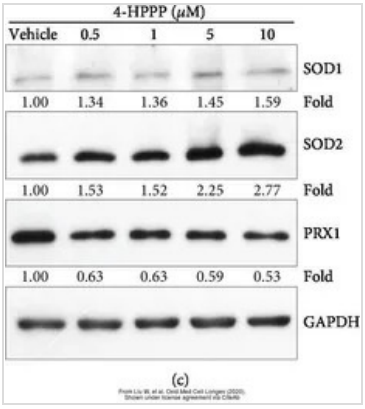

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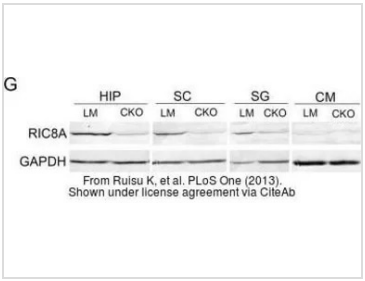

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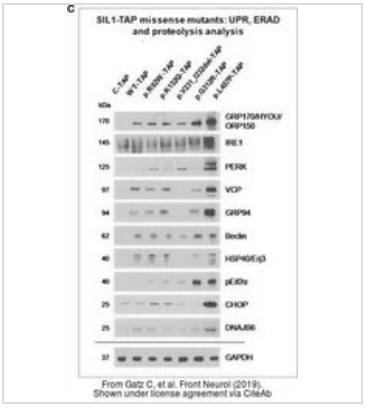

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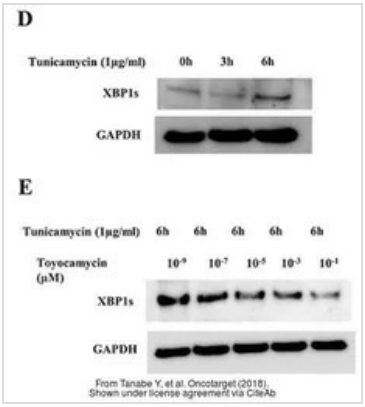

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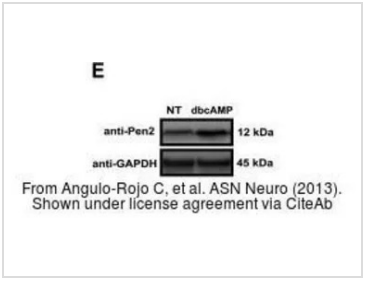

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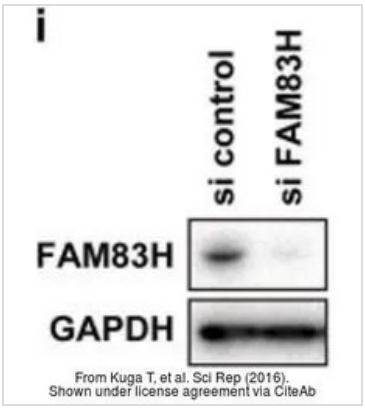

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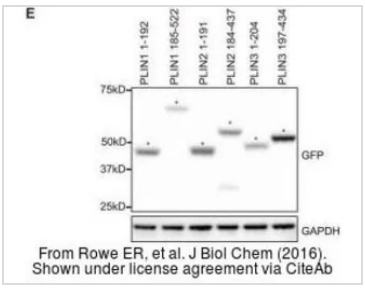

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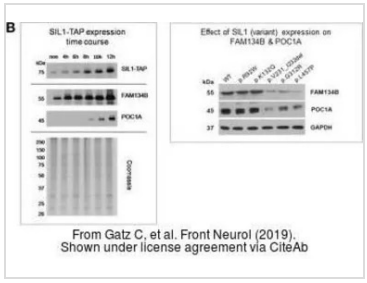

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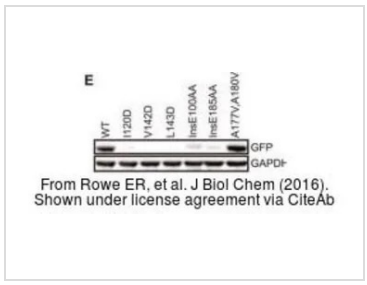

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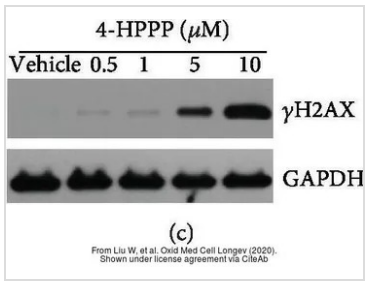

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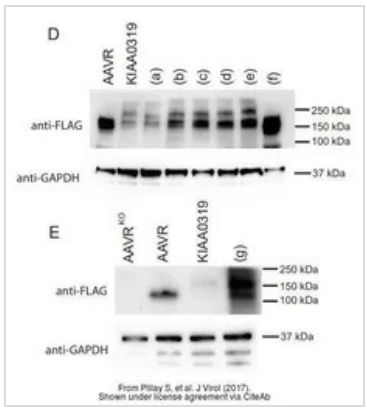

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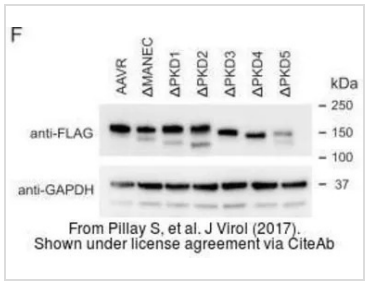

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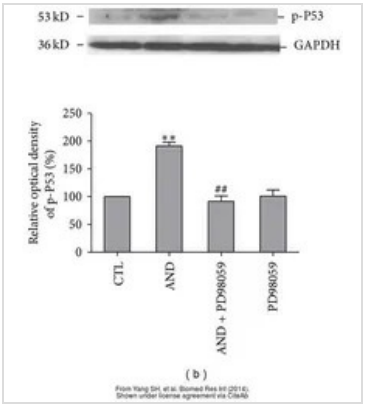

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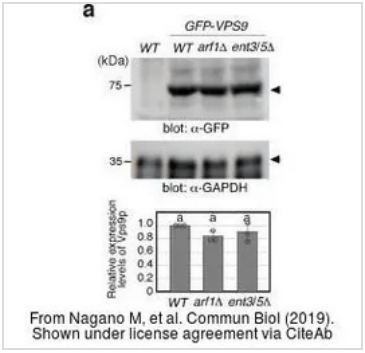

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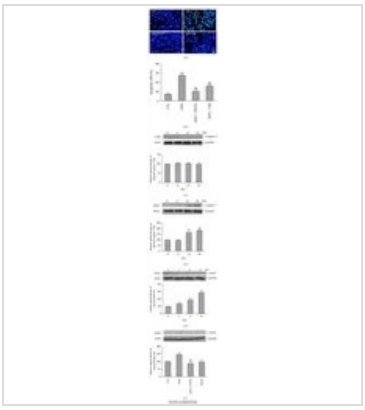

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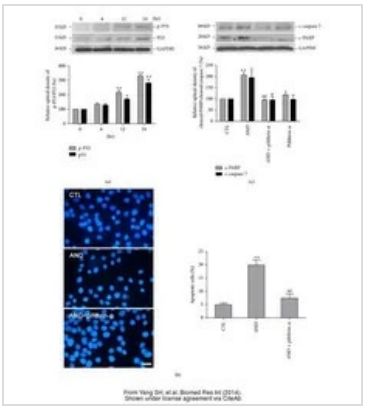

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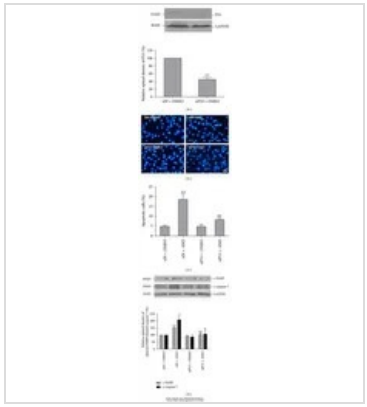

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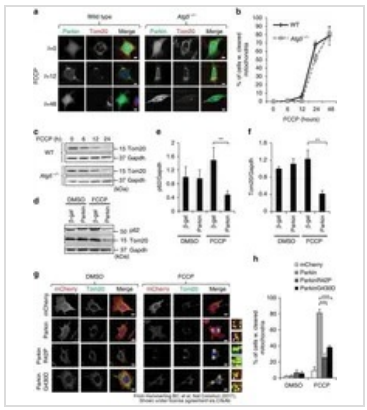

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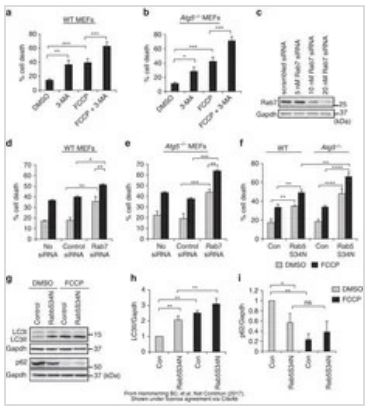

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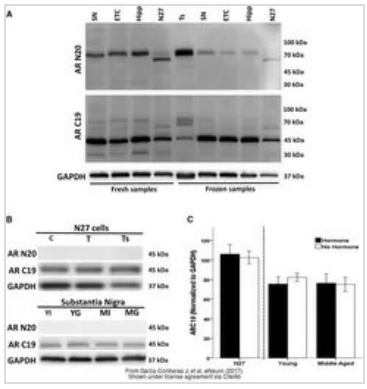

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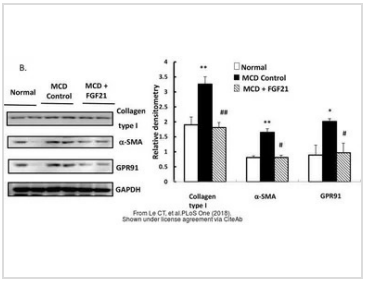

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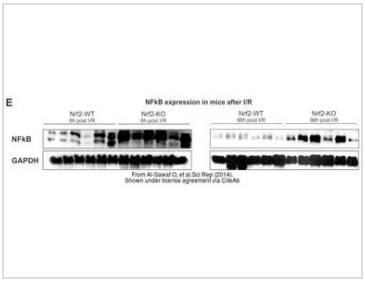

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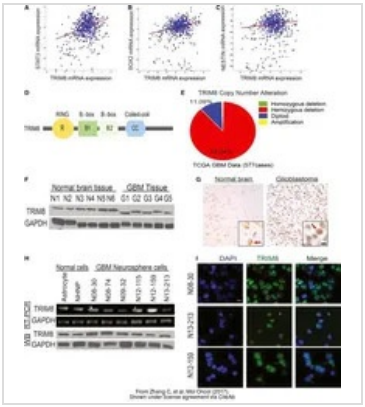

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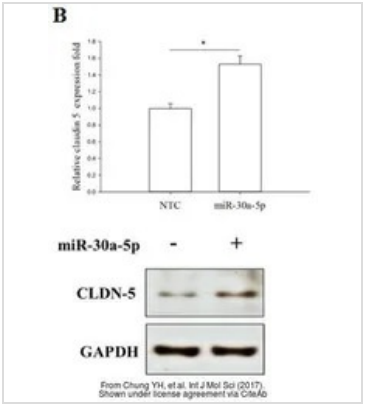

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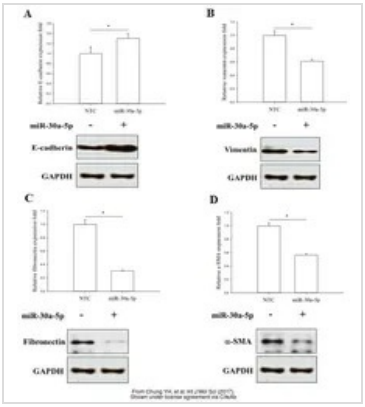

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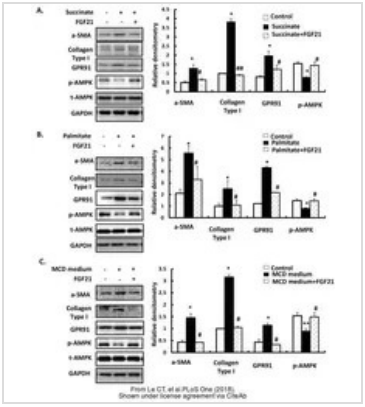

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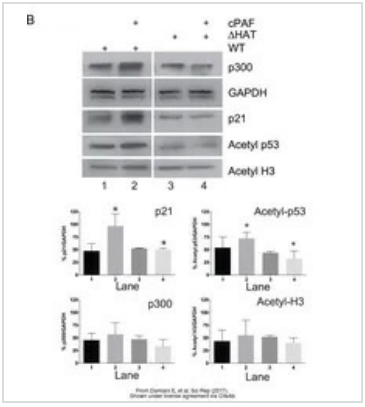

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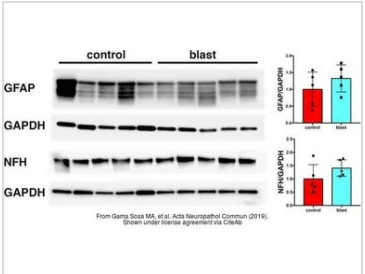

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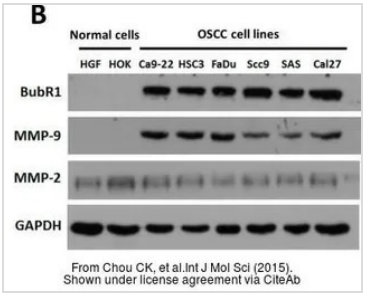

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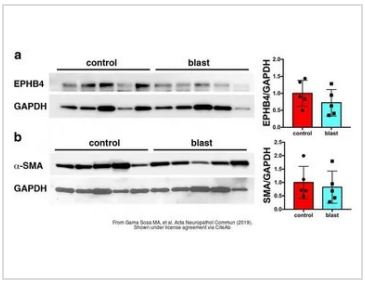

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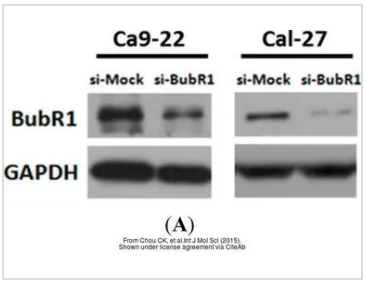

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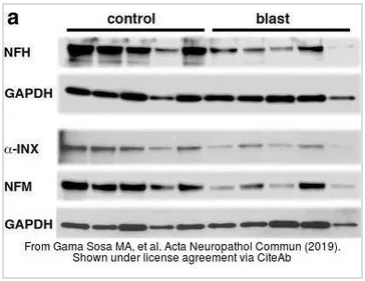

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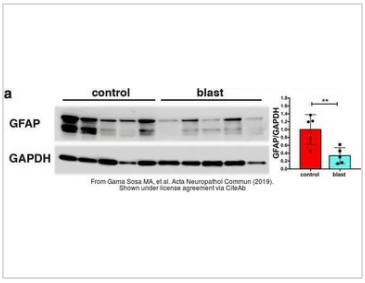

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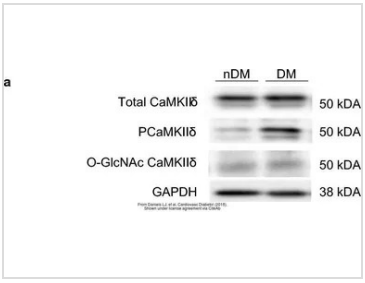

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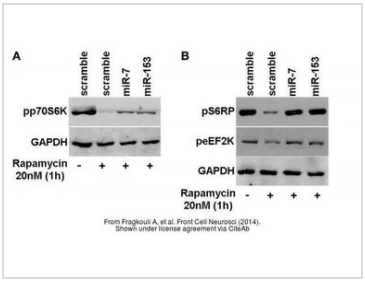

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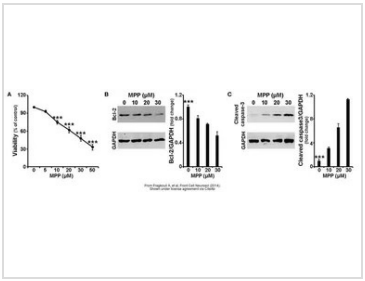

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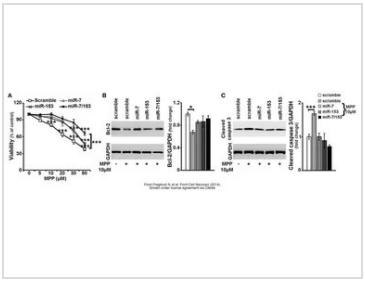

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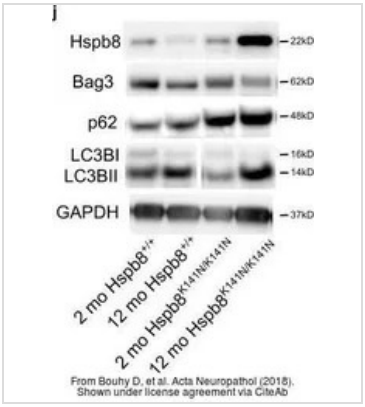

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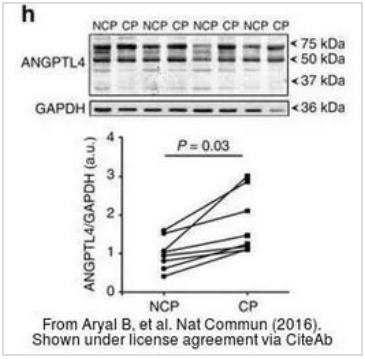

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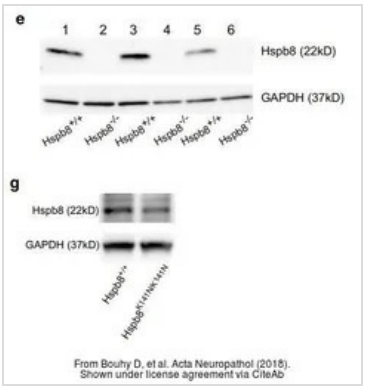

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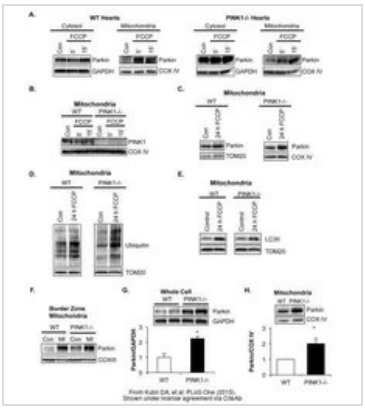

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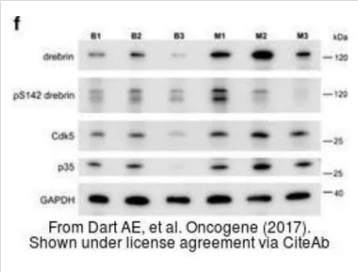

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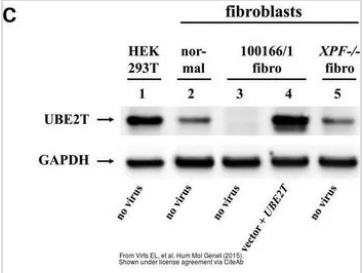

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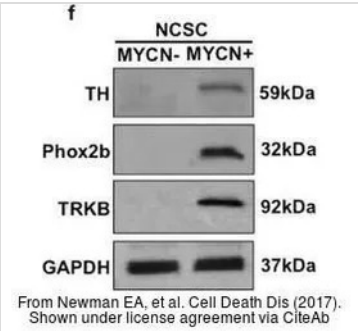

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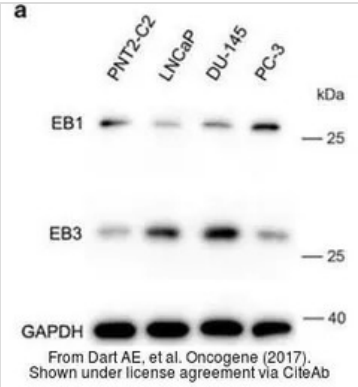

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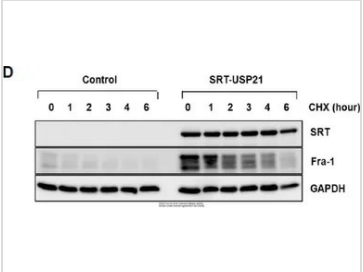

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The data was published in the journal Cancers (Basel) in 2020. PMID: 31947604

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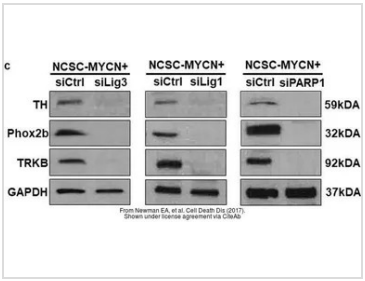

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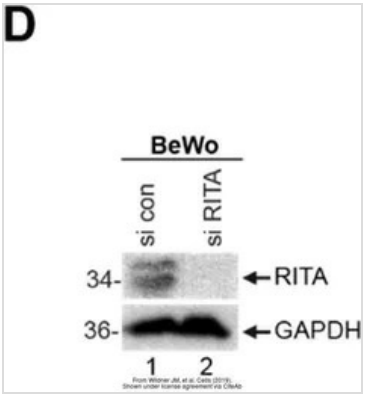

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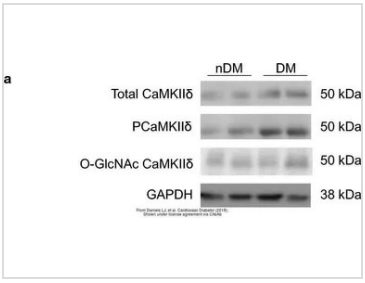

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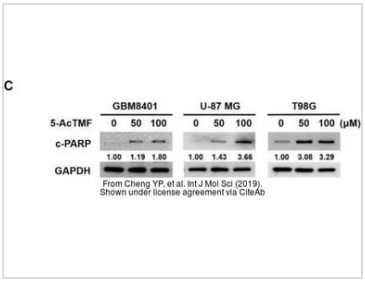

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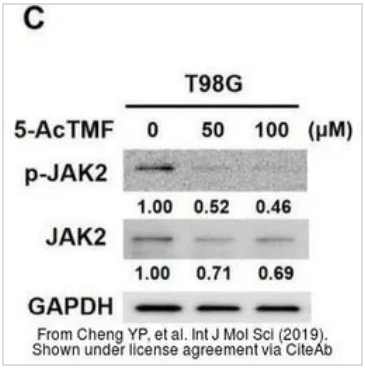

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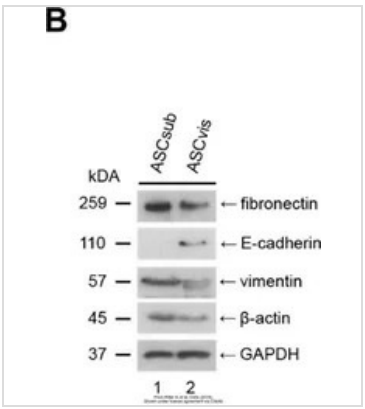

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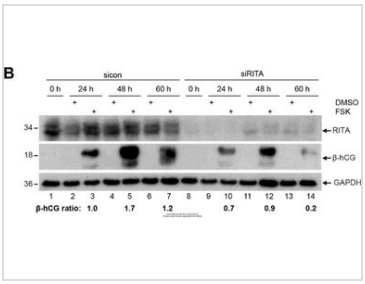

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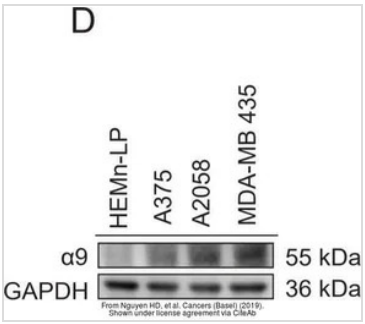

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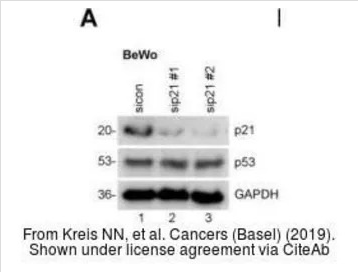

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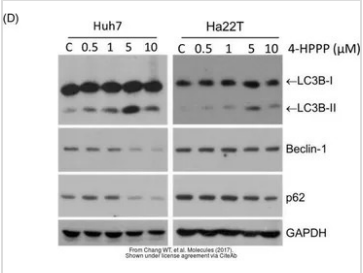

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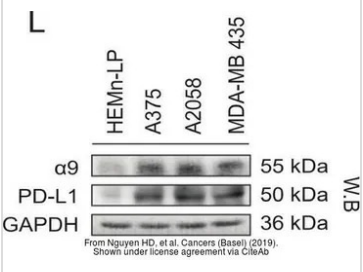

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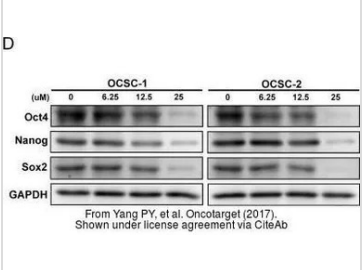

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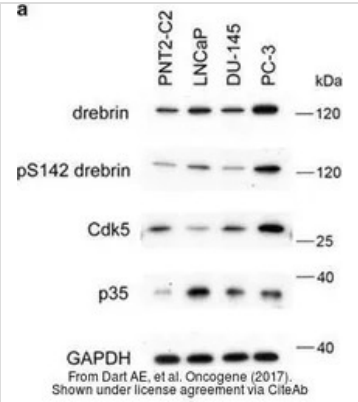

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The data was published in the journal Oncogene in 2017. PMID: 28319065

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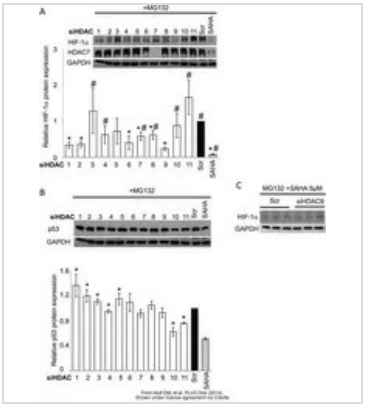

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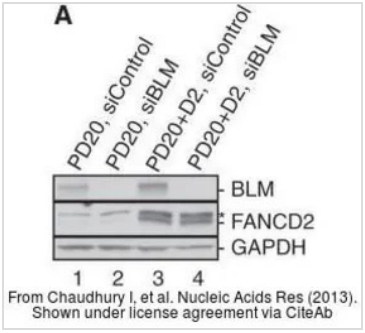

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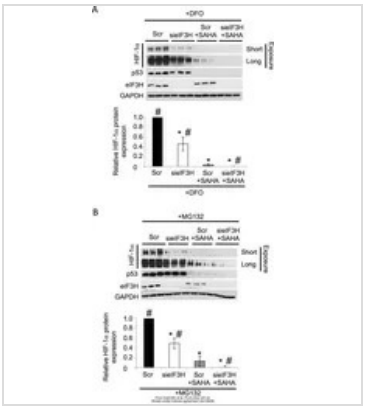

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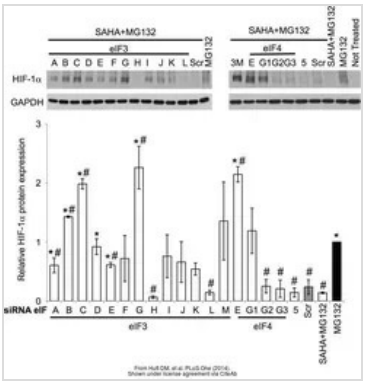

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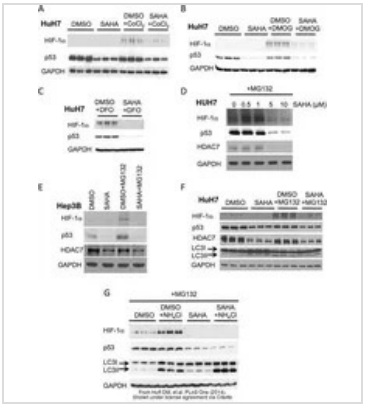

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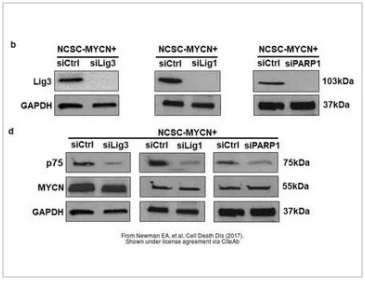

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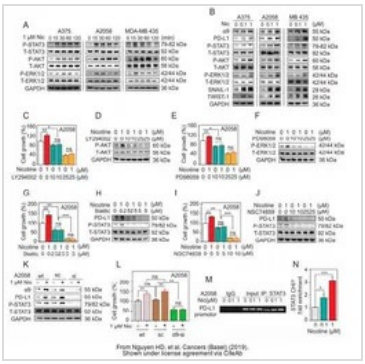

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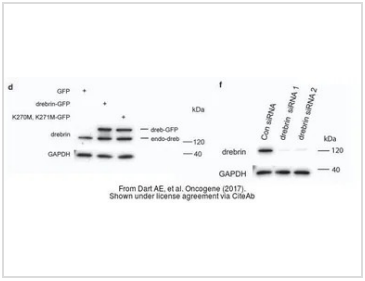

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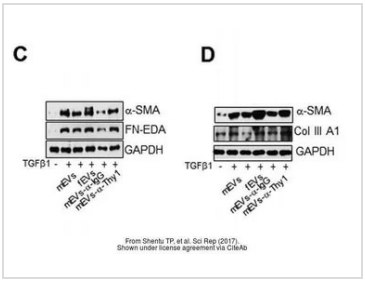

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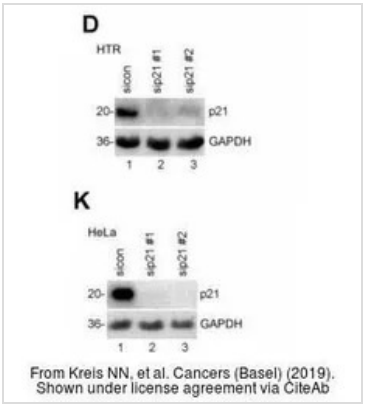

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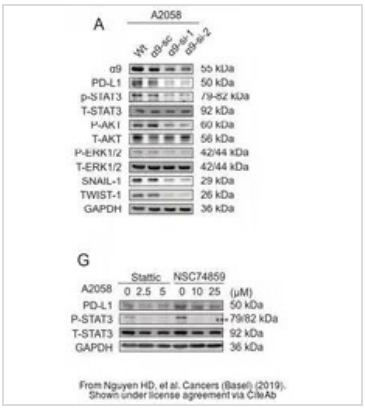

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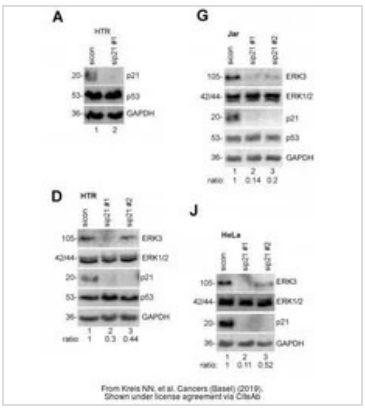

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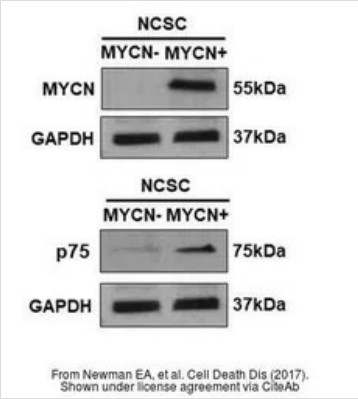

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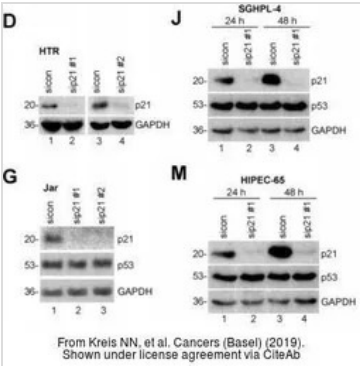
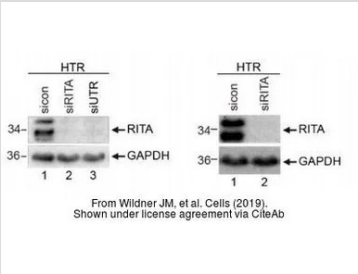
The data was published in the journal Cell Death Dis in 2017. PMID: 29238067



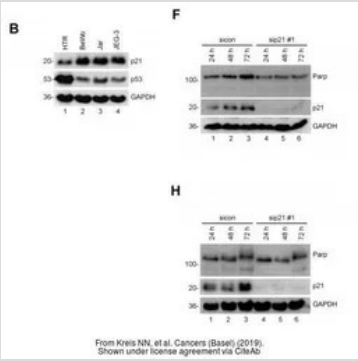
GTX627408 WB Image

The data was published in the journal Cancers (Basel) in 2019. PMID: 31311187



GTX627408 WB Image

The data was published in the journal Cells in 2019. PMID: 31766533



GTX627408 WB Image

The data was published in the journal Cancers (Basel) in 2019. PMID: 31311187

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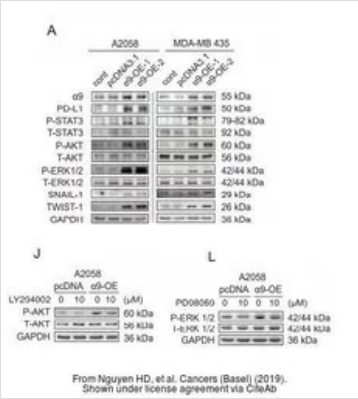

GTX627408 WB Image

The data was published in the journal Cancers (Basel) in 2019. PMID: 31835799

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alpha Tubulin antibody [GT114]

Cat. No. GTX628802

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM
Reactivity	Human, Mouse, Rat, Zebrafish, Goat, Drosophila, Crucian carp

References (208)

Review (2)

Package
100 µl, 25 µl

PRODUCT

Summary

alpha Tubulin antibody [GT114] detects alpha Tubulin, a cytoskeletal protein widely expressed in cells that is commonly used as a loading control for western blots. The predicted molecular weight of alpha Tubulin protein is 50 kDa. This is a well-cited mouse monoclonal antibody validated for multiple applications including western blot, immunohistochemistry, and immunocytochemistry.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000
FCM	Assay dependent

Not tested in other applications.

Calculated MW 50 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human alpha Tubulin. The exact sequence is proprietary.

For full product information, images and publications, please visit our website.

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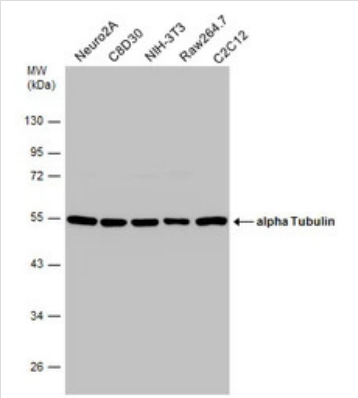
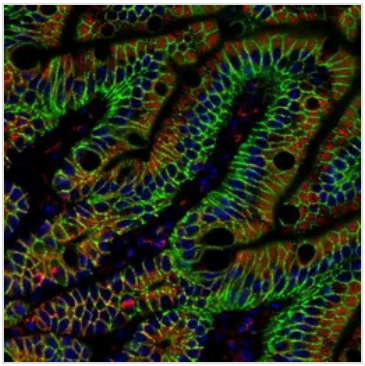
Purification	Affinity purified by Protein A. From tissue culture supernatant
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



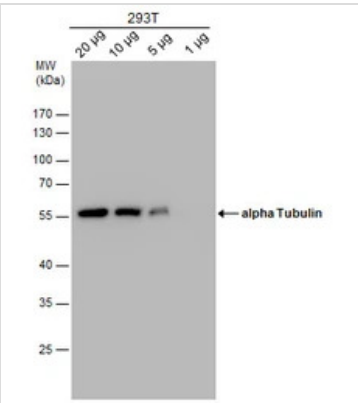
GTX628802 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628802 IHC-P Image

alpha Tubulin antibody [GT114] detects alpha Tubulin protein at cytoplasm in mouse colon by immunohistochemical analysis.
Sample: Paraffin-embedded mouse colon.
Red: alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:500.
Green: beta Catenin antibody [N1N2-2] (GTX101435) diluted at 1:500.
Blue: Hoechst 33342 staining.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX628802 WB Image

alpha Tubulin antibody detects alpha Tubulin protein by western blot analysis. Varied amount of 293T Whole cell extracts was separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX628802) at a dilution of 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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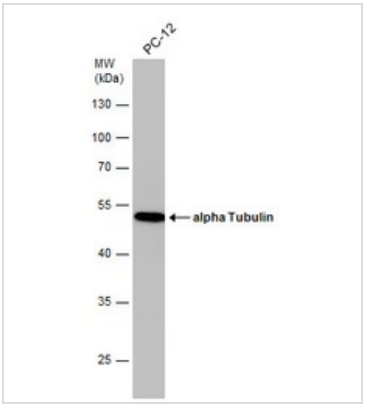
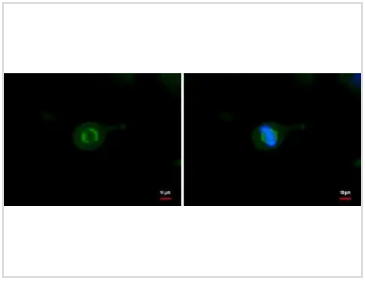


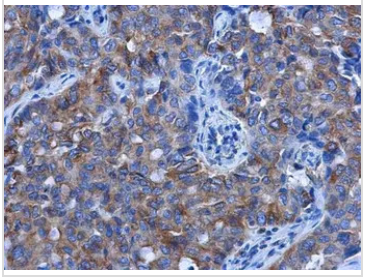
GTX628802 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628802 ICC/IF Image

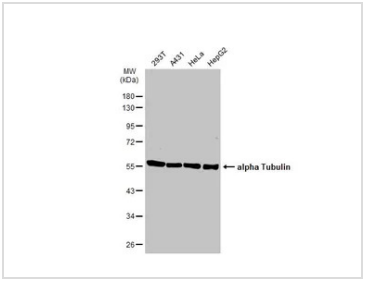
TUBA1B antibody detects TUBA1B protein at Cytoskeleton by immunofluorescent analysis.
Sample: HeLa cells were fixed in -20ºC 100% methanol for 5 min.
Green: TUBA1B protein stained by TUBA1B antibody (GTX628802) diluted at 1:500.
Blue: Hoechst 33342 staining.



GTX628802 IHC-P Image

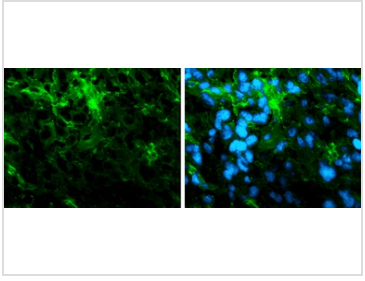
alpha Tubulin antibody [GT114] detects alpha Tubulin protein at cytoplasm in human lung cancer by immunohistochemical analysis.
Sample: Paraffin-embedded human lung cancer.
alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX628802 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628802 IHC-Fr Image

Immunofluorescence photomicrographs of frozen sections of mouse brain.
Green: alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:200. The signal was developed using goat anti-rmouse IgG antibody (Dylight488) (GTX213111-04).
Blue: Nuclear staining with Hoechst 33342.

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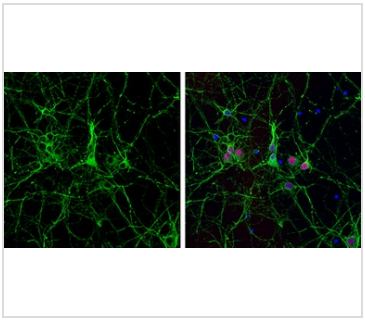
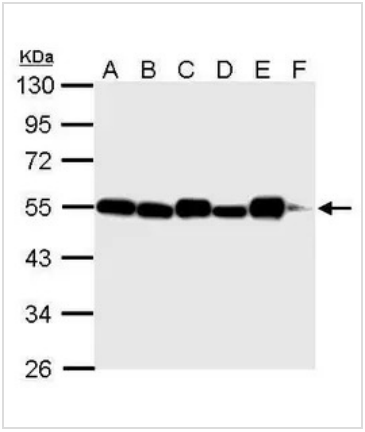


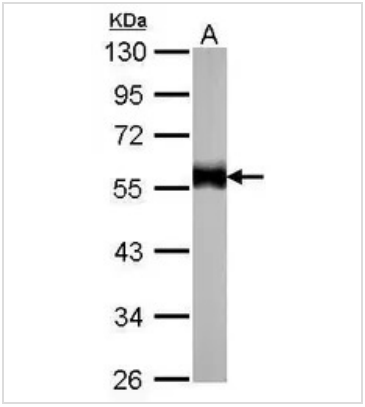
GTX628802 ICC/IF Image

alpha Tubulin antibody [GT114] detects alpha Tubulin protein expression by immunofluorescent analysis.
Sample: Cultured rat E18 primary cortical neuron, DIV 8. Cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: alpha Tubulin protein stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:250.
Red: NeuN, stained by NeuN antibody (GTX132974) diluted at 1:250.
Blue: Fluoroshield with DAPI (GTX30920).



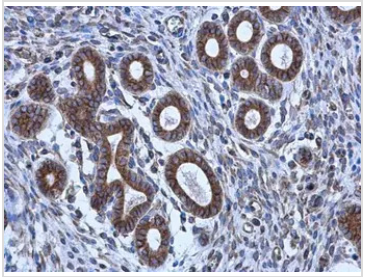
GTX628802 WB Image

alpha Tubulin antibody [GT114] detects TUBA1B protein by western blot analysis.
A. 30 µg 293T whole cell lysate/extract
B. 30 µg NIH-3T3 whole cell lysate/extract
C. 30 µg mouse brain lysate/extract
D. 30 µg PC-12 whole cell lysate/extract
E. 30 µg rat brain lysate/extract
F. 30 µg drosophila lysae/extract
10% SDS-PAGE
alpha Tubulin antibody [GT114] (GTX628802) dilution: 1:5000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628802 WB Image

alpha Tubulin antibody [GT114] detects TUBA1B protein by western blot analysis.
A. 30 µg zebrafish eye lysate/extract
10% SDS-PAGE
alpha Tubulin antibody [GT114] (GTX628802) dilution: 1:1000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX628802 IHC-P Image

alpha Tubulin antibody [GT114] detects alpha Tubulin protein at cytoplasm in human cervix by immunohistochemical analysis.
Sample: Paraffin-embedded human cervix.
alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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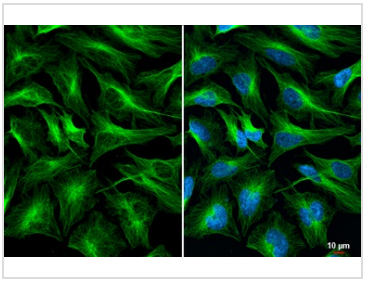
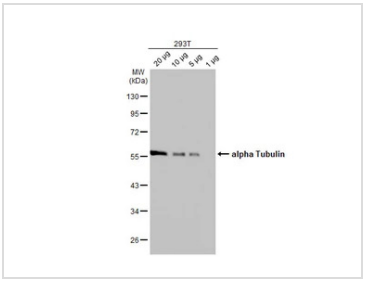


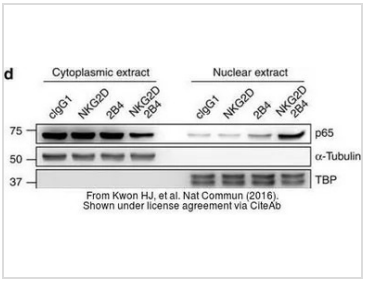
GTX628802 ICC/IF Image

alpha Tubulin antibody [GT114] detects alpha Tubulin protein at cytoskeleton by immunofluorescent analysis.
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: alpha Tubulin stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).



GTX628802 WB Image

293T whole cell extracts were separated by 10% SDS-PACE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



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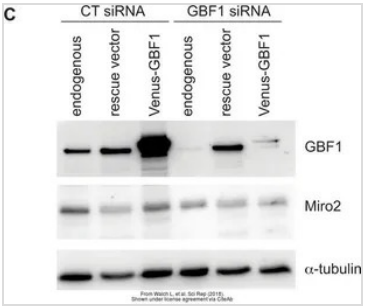
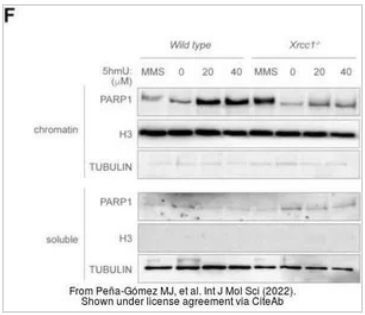
The data was published in the journal Nat Commun in 2016.PMID: 27221592



GTX628802 WB Image

The data was published in the 2018 in Sci Rep. PMID: 30459446



GTX628802 WB Image

The data was published in the 2022 in Int J Mol Sci. PMID: 35055077

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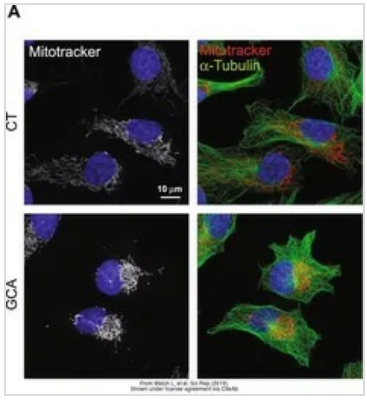

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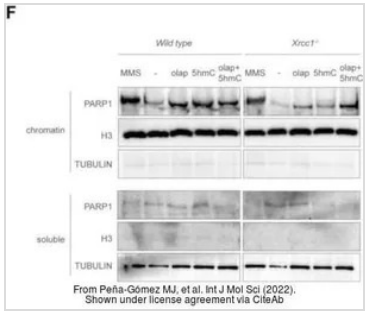
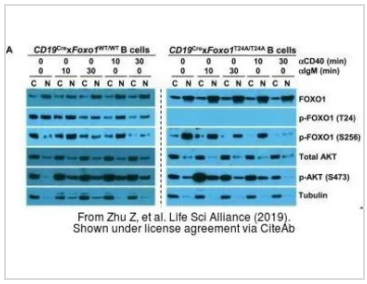


GTX628802 WB Image

The data was published in the 2022 in Int J Mol Sci. PMID: 35055077



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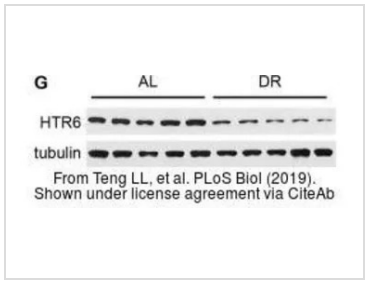
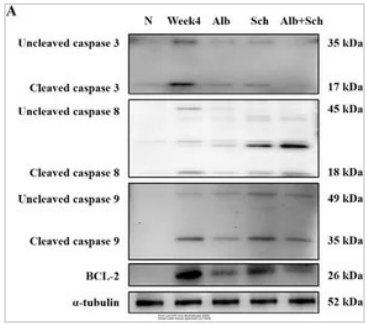
The data was published in the journal Life Sci Alliance in 2019.PMID: 31767615



GTX628802 WB Image

The data was published in the journal PLoS Biol in 2019.PMID: 30883547



GTX628802 WB Image

The data was published in the journal Biomolecules in 2020.PMID: 32635653

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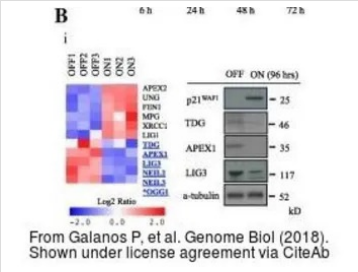

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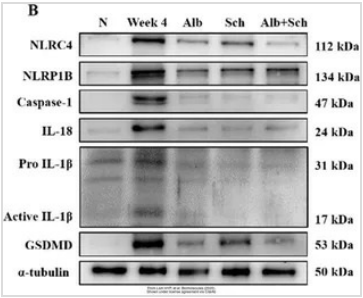
The data was published in the journal Genome Biol in 2018.PMID: 29548335



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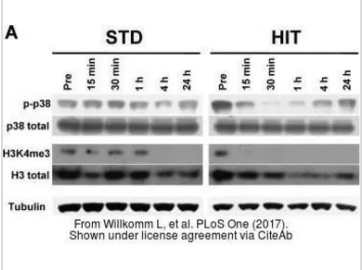
The data was published in the journal Biomolecules in 2020.PMID: 32635653



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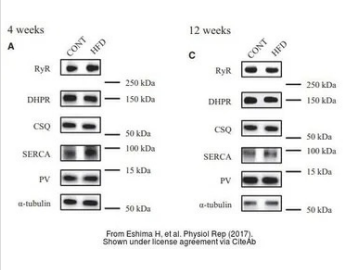
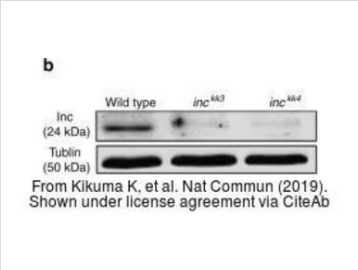
The data was published in the journal PLoS One in 2017.PMID: 28467493



GTX628802 WB Image

The data was published in the journal Physiol Rep in 2017.PMID: 28408640



GTX628802 WB Image

The data was published in the journal Nat Commun in 2019.PMID: 31278365

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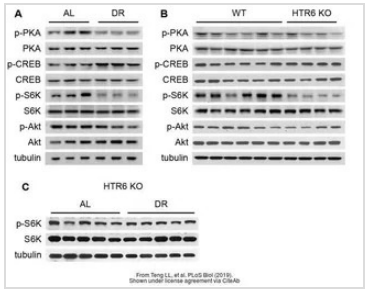

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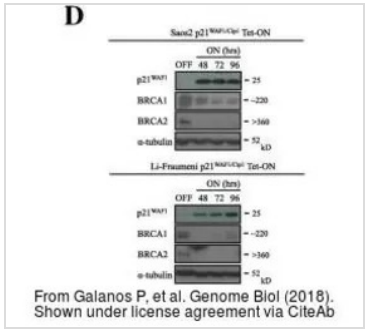
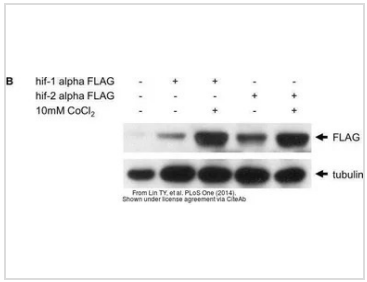


GTX628802 WB Image

The data was published in the journal Genome Biol in 2018.PMID: 29548335



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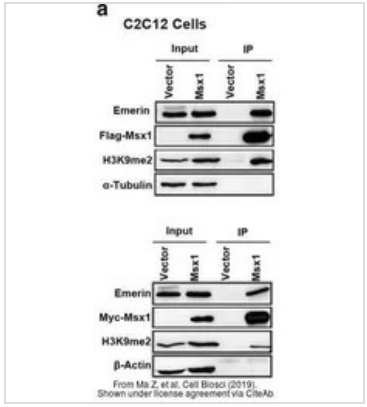

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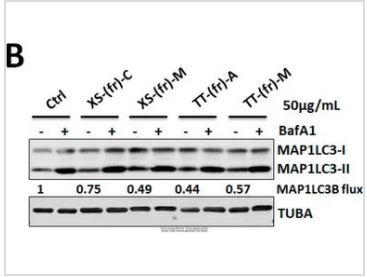
The data was published in the journal Cell Biosci in 2019. PMID: 31044068



GTX628802 WB Image

The data was published in the journal Toxins (Basel) in 2019. PMID: 31159487

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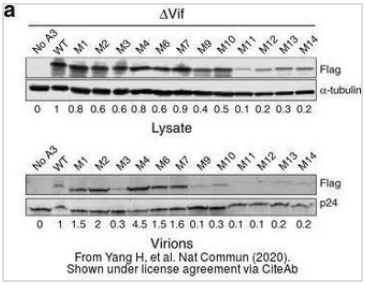

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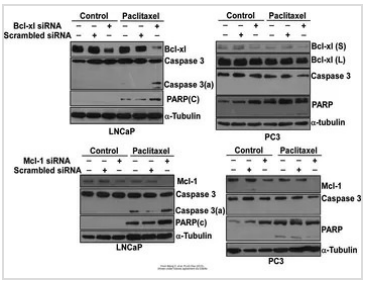
The data was published in the journal Nat Commun in 2020. PMID: 32005813



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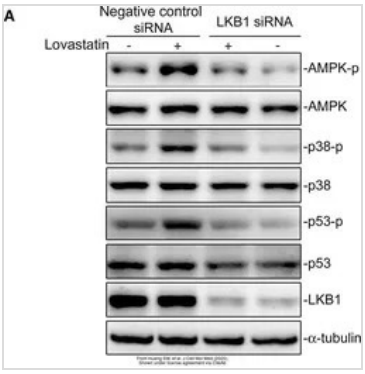

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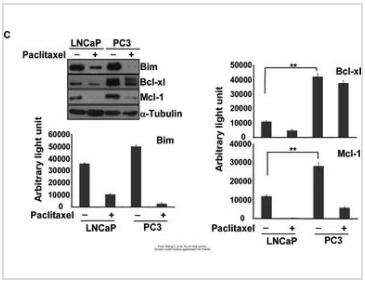

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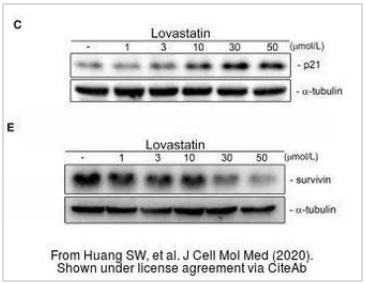

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