GTX300115

Internal Controls Antibody Panel- monoclonal

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX637675	beta Actin antibody [HL1926]	Human, Mouse, Rat, Zebrafish, Rabbit, Drosophila, Cat, Dog, African green monkey	WB, ICC/IF, IHC-P	10 µl
GTX637966	GAPDH antibody [HL2062]	Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, African green monkey, E. coli	WB, ICC/IF	10 µl
GTX70220	Nuclear Matrix Protein p84 antibody [5E10]	Human, Mouse, Rat, Hamster, Monkey	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC	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.

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

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beta Actin antibody [HL1926]

Cat. No. GTX637675

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human, Mouse, Rat, Zebrafish, Rabbit, Drosophila, Cat, Dog, African green monkey

References (2)

Review (5)

Package
100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:50000
ICC/IF	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

Observed MW (kDa) 45 kDa.

Properties

Form	Liquid
Buffer	PBS
Preservative	No Preservative
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 fragment of human beta Actin
Purification	Affinity purified by Protein A.
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.

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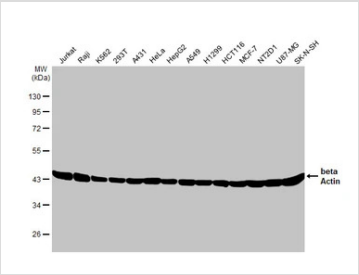
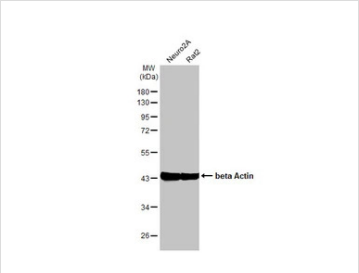


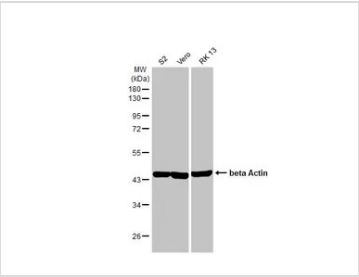
GTX637675 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



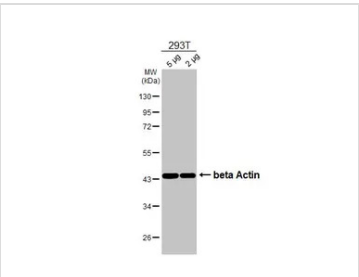
GTX637675 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



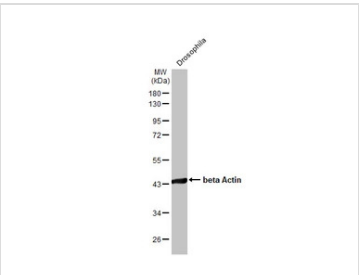
GTX637675 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637675 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:100000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637675 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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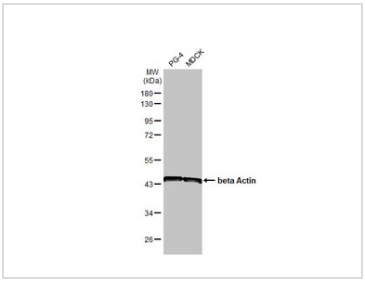
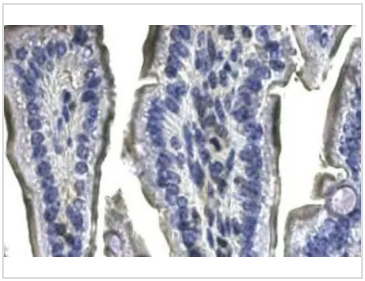


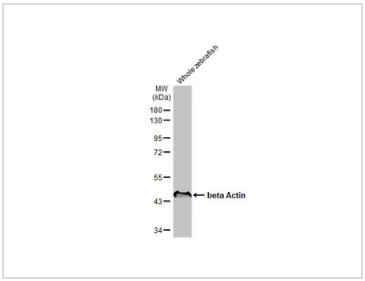
GTX637675 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



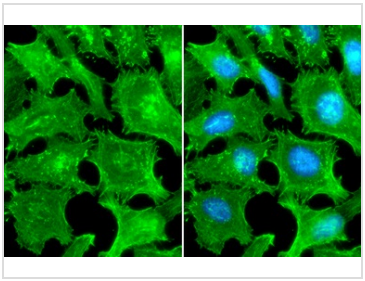
GTX637675 IHC-P Image

beta Actin antibody [HL1926] detects beta Actin protein at cell membrane by immunohistochemical analysis.
Sample: Paraffin-embedded mouse intestine.
beta Actin stained by beta Actin antibody [HL1926] (GTX637675) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX637675 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [HL1926] (GTX637675) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637675 ICC/IF Image

beta Actin antibody [HL1926] detects beta Actin protein by immunofluorescent analysis.
Sample: HeLa cells were fixed in ice-cold MeOH for 10 min.
Green: beta Actin stained by beta Actin antibody [HL1926] (GTX637675) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).

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GAPDH antibody [HL2062]

Cat. No. GTX637966

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Human, Mouse, Rat, Zebrafish, Rabbit, Cat, Dog, Hamster, African green monkey, E. coli

References (1)
Package
100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:50000
ICC/IF	Assay dependent

Not tested in other applications.

Observed MW (kDa) 36 kDa.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservative
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 fragment of human GAPDH
Purification	Affinity purified by Protein A.
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.

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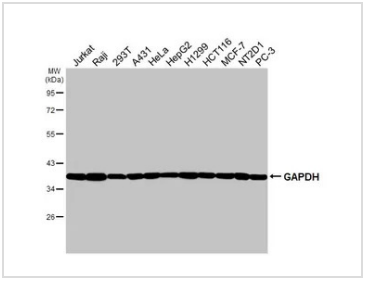
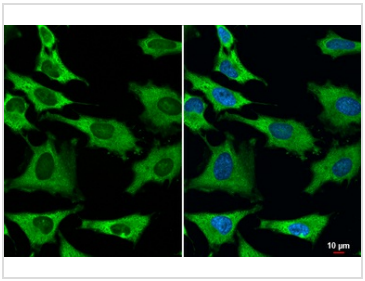


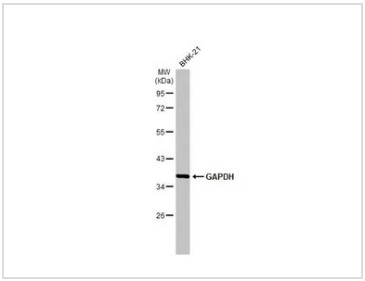
GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



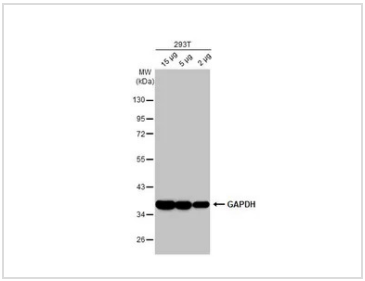
GTX637966 ICC/IF Image

GAPDH antibody [HL2062] 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 [HL2062] (GTX637966) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).



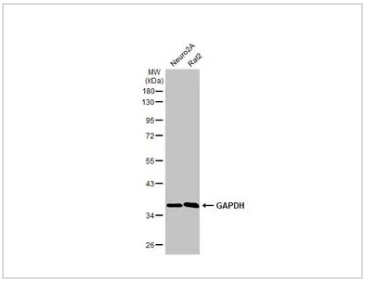
GTX637966 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637966 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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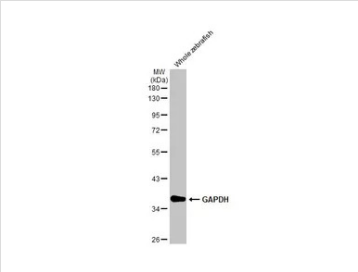
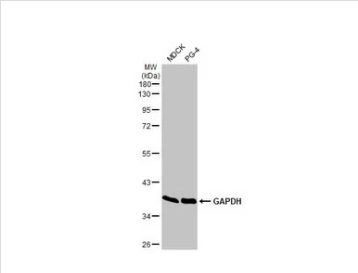


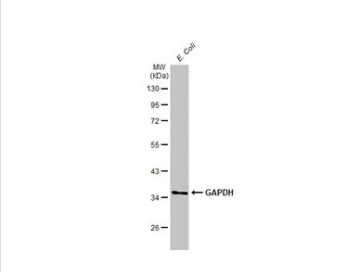
GTX637966 WB Image

Whole zebrafish extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



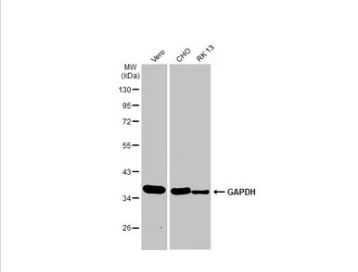
GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX637966 WB Image

E. Coli (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX637966 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [HL2062] (GTX637966) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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Nuclear Matrix Protein p84 antibody [5E10]

Cat. No. GTX70220

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC
Reactivity	Human, Mouse, Rat, Hamster, Monkey

References (170)

Review (1)

Package
100 µl

PRODUCT

Summary Nuclear Matrix Protein p84 antibody detects THO complex subunit 1, which is an 84 kDa nuclear matrix protein often referred to as just "p84". p84 is involved in mRNA transcription and is considered to be a nuclear marker. p84 antibody is an effective reagent used to verify the purity of nuclear extracts in cellular fractionation assays.

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	0.3 - 2 µg/ml
ICC/IF	0.5 - 2 µg/ml
IHC-P	Assay dependent
IP	1:100-1:500
ChIP assay	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Calculated MW	76 kDa. (Note)
Product Note	KO/KD validation is based on published data (PMID: 25296641).

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No Preservative
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.)

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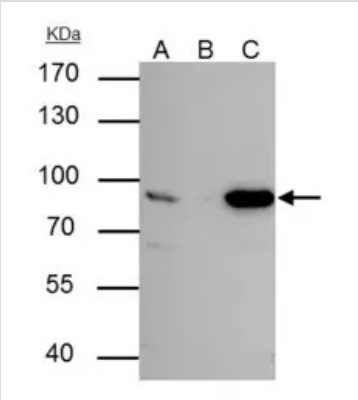
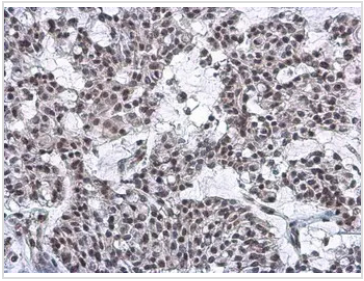
Immunogen	Amino acids 15-374 of human p84 expressed in E. coli.
Purification	Protein G purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



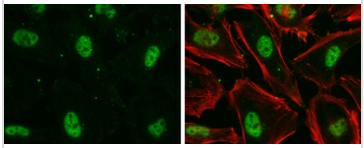
GTX70220 IP Image

p84 antibody [5E10] immunoprecipitates p84 protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A : 30 µg whole cell lysate/extract of p84 protein expressing HepG2 cells B : Control with 3 µg of pre-immune mouse IgG C : Immunoprecipitation of p84 by 3 µg of p84 antibody [5E10] (GTX70220) 7.5% SDS-PAGE The immunoprecipitated p84 protein was detected by p84 antibody [5E10] (GTX70220) diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) (GTX221667-01) was used as a secondary reagent.



GTX70220 IHC-P Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:200.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX70220 ICC/IF Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunofluorescent analysis.
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:500.
Red: phalloidin, a cytoskeleton marker, diluted at 1:100.

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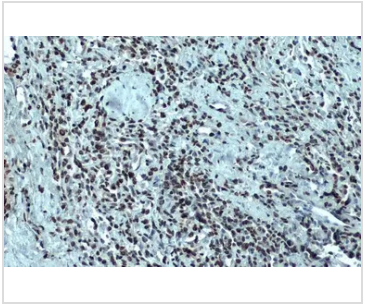
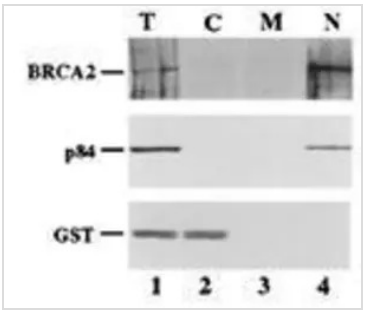


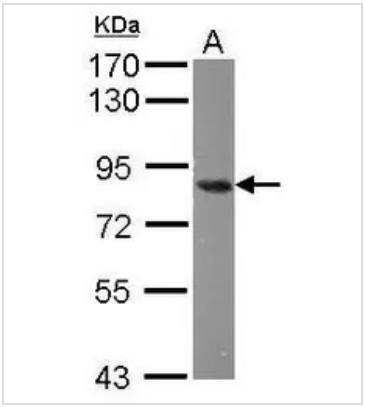
GTX70220 IHC-P Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis.
Sample: Paraffin-embedded human lung cancer.
Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



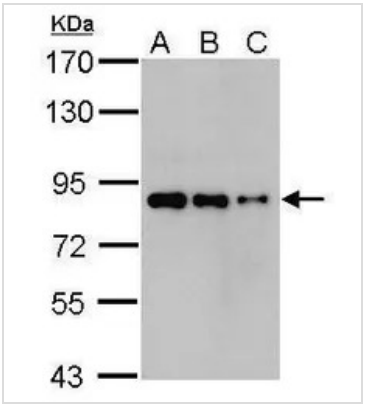
GTX70220 WB Image

Detection of human p84/N5 in nuclear fraction by anti-p84/N5 5E10 monoclonal antibody (GTX70220) in western blot experiment. Lane 1: total lysate, Lane 2: cytoplasmic fraction, Lane 3: membrane fraction, Lane 4: nuclear fraction.



GTX70220 WB Image

Sample (50 µg of whole cell lysate)
A: mouse Cerebellum
7.5% SDS PAGE
GTX70220 diluted at 1:1000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX70220 WB Image

Sample (whole cell lysate)
A: 293T 20ug
B: 293T 10ug
C: 293T 5ug
7.5% SDS PAGE
GTX70220 diluted at 1:1000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

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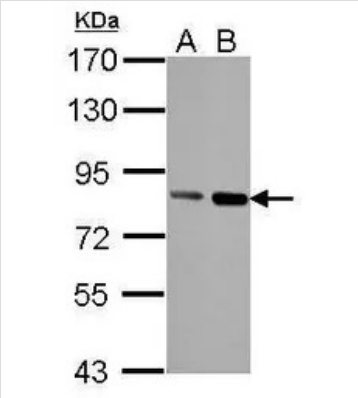
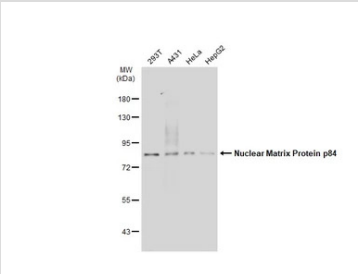


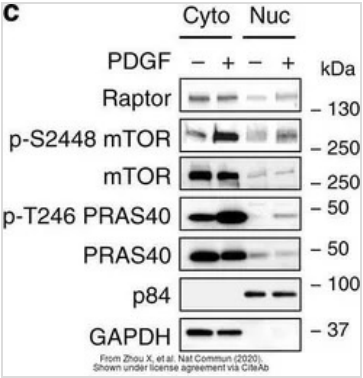
GTX70220 WB Image

Sample (30 µg of whole cell lysate)
A: HeLa
B: HeLa nucleus
7.5% SDS PAGE
GTX70220 diluted at 1:1000
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



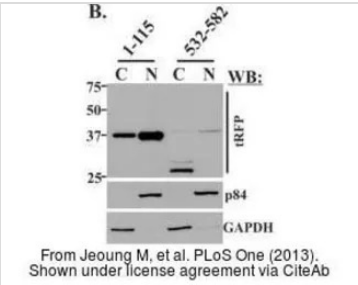
GTX70220 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX70220 WB Image

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



GTX70220 WB Image

The data was published in the journal PLoS One in 2013.PMID: 23805200

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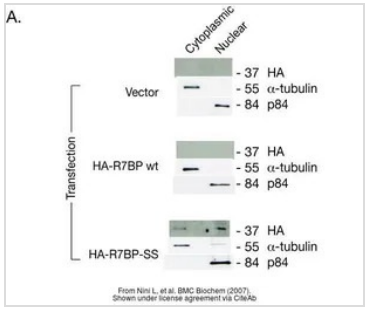

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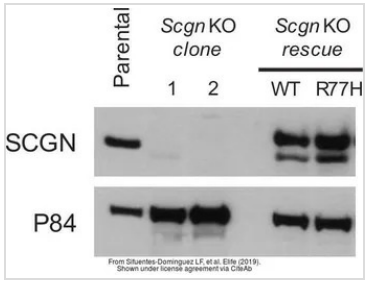
The data was published in the journal BMC Biochem in 2007. PMID: 17880698



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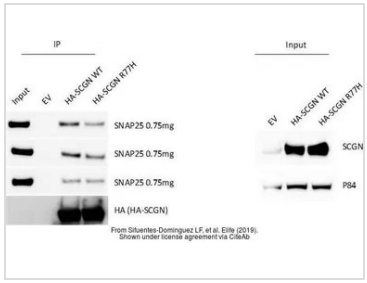

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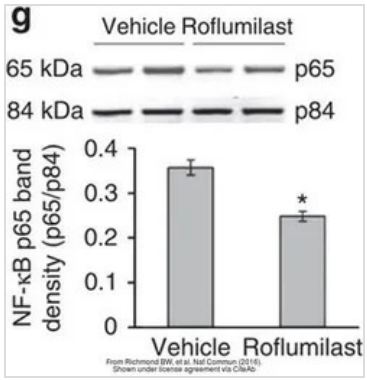

GTX70220 WB Image

The data was published in the journal Nat Commun in 2016.PMID: 27046438

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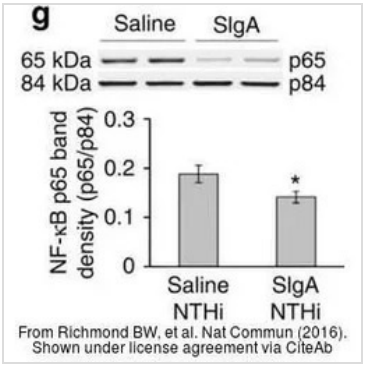

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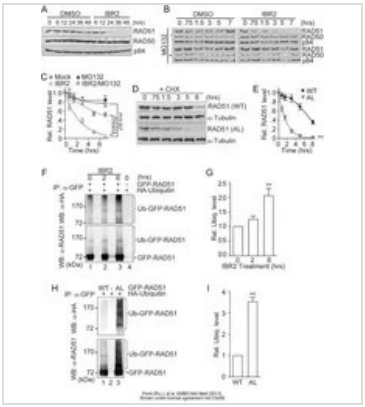

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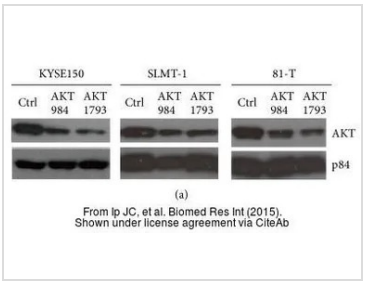
The data was published in the journal EMBO Mol Med in 2013. PMID: 23341130



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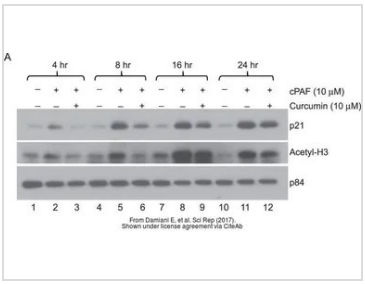
The data was published in the journal Biomed Res Int in 2015. PMID: 25834829



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The data was published in the journal Sci Rep in 2017. PMID: 28157211

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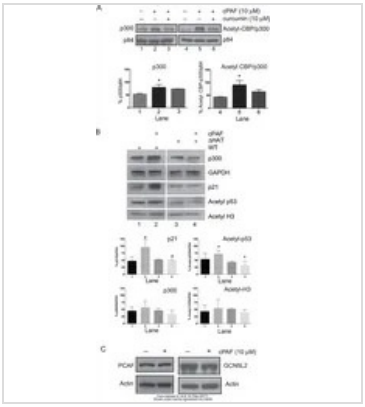

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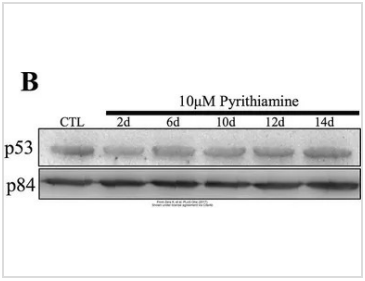

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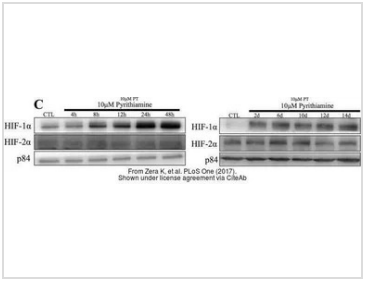
The data was published in the journal PLoS One in 2017. PMID: 29045486



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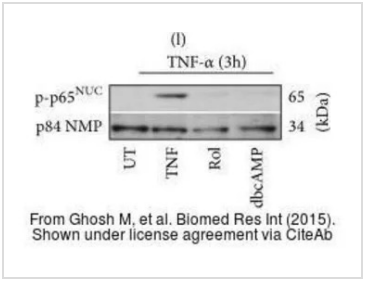

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The data was published in the journal Biomed Res Int in 2015. PMID: 25722974

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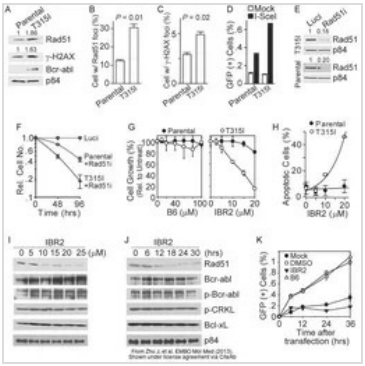

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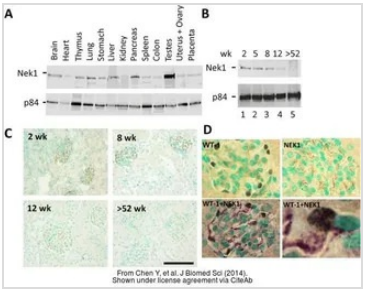

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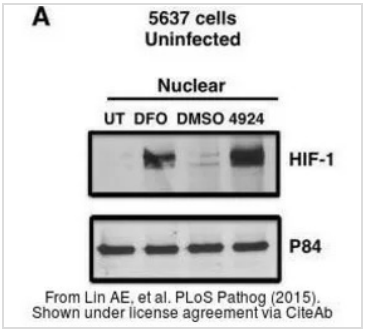
The data was published in the journal J Biomed Sci in 2014. PMID: 25030234



GTX70220 WB Image

The data was published in the journal PLoS Pathog in 2015. PMID: 25927232

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