

GTX300001

## Organelle Marker Antibody Panel

### Product Content

Cat No	Product Name	Reactivity	Application	Package
GTX100573	PARP antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IP, ChIP assay	25 µl
GTX104299	AKR7A2 antibody	Human, Mouse	WB, ICC/IF, IHC-P	25 µl
GTX109247	NHP2L1 antibody [N1C3]	Human, Mouse, Rat, Zebrafish	WB, ICC/IF, IHC-P, IHC-Wm	25 µl
GTX109669	Calnexin antibody [C3], C-term	Human, Mouse, Rat, Sheep	WB, ICC/IF, IHC-P, IP	25 µl
GTX112141	alpha Tubulin antibody	Human, Mouse, Rat, Drosophila, Chicken, Caenorhabditis elegans, Mosquito, Tetrahymena	WB, ICC/IF, IHC-P, IHC-Fr	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 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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## PARP antibody

Cat. No. GTX100573

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, IP, ChIP assay
Reactivity	Human, Mouse, Rat

Reference ( 80 )

★★★★★ Review ( 2 )

Package

100 µl, 25 µl

## APPLICATION

## Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	Assay dependent
ChIP assay	Assay dependent

Not tested in other applications.

**Calculated MW** 113 kDa. ( [Note](#) )**Product Note** This antibody is specific for human PARP1 protein, and it does not cross react with human PARP2 and PARP3 protein.

## PROPERTIES

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.3 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human PARP1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



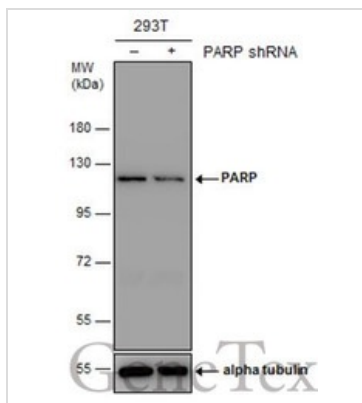
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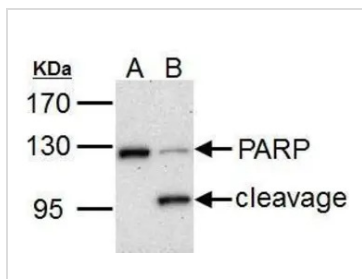
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**Note**

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**

**GTX100573 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX100573 WB Image**

PARP1 antibody detects PARP1 protein by western blot analysis.

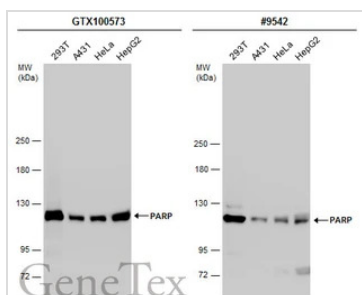
A. 30 µg HCT116 whole cell lysate/extract (untreated)

B. 30 µg HCT116 whole cell lysate/extract (30 µM cisplatin treatment for 24hr)

7.5% SDS-PAGE

PARP1 antibody (GTX100573) dilution: 1:1000

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

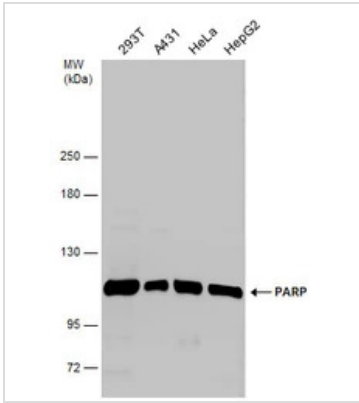

**GTX100573 WB Image**

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membranes were blotted with PARP antibody (GTX100573) diluted at 1:2000 and competitor's antibody (#9542) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

\*The competitor is not affiliated with GeneTex and does not endorse this product.

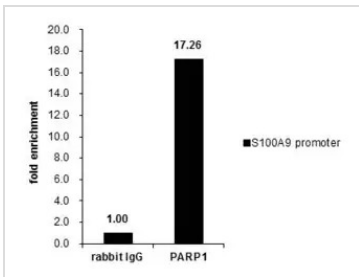


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#### GTX100573 WB Image

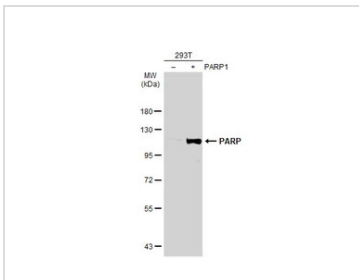
Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:2000.



#### GTX100573 ChIP assay Image

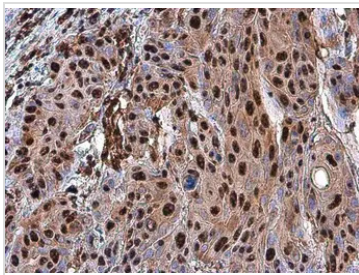
Cross-linked ChIP was performed with Raji chromatin extract and 5 µg of either control rabbit IgG or anti-PARP1 antibody. The precipitated DNA was detected by PCR with primer set targeting to S100A9 promoter.

ChIP experiment and primer designs are based on [BMC Mol Biol. 2006 Dec 22;7:48.](#)



#### GTX100573 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



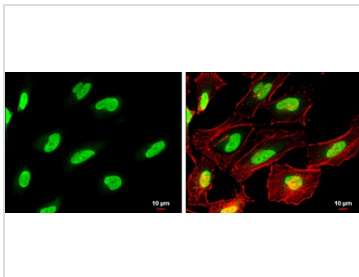
#### GTX100573 IHC-P Image

PARP antibody detects PARP protein at nucleus in human oral carcinoma by immunohistochemical analysis.

Sample: Paraffin-embedded human oral carcinoma.

PARP antibody (GTX100573) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



#### GTX100573 ICC/IF Image

PARP antibody detects PARP protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

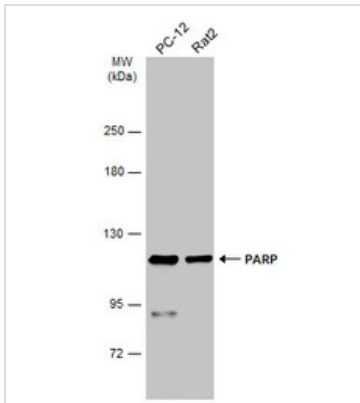
Green: PARP protein stained by PARP antibody (GTX100573) diluted at 1:500.

Red: Phalloidin, a cytoskeleton marker, diluted at 1:100.

Scale bar = 10 µm.

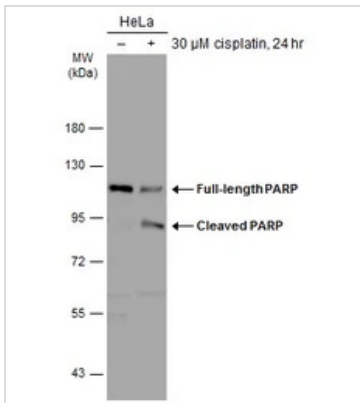


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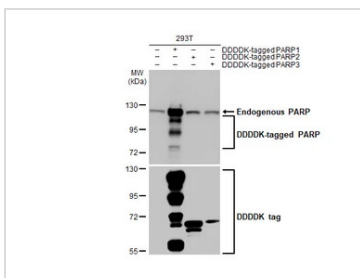
#### GTX100573 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



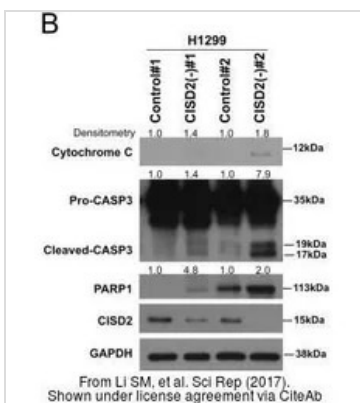
#### GTX100573 WB Image

Untreated (-) and treated (+) HeLa whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX100573 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

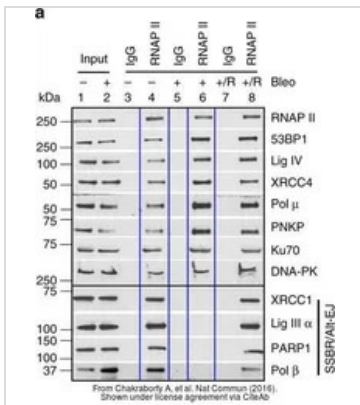


#### GTX100573 WB Image

The data was published in the journal Sci Rep in 2017. [PMID: 28928421](https://doi.org/10.1038/s41598-017-28421-1)

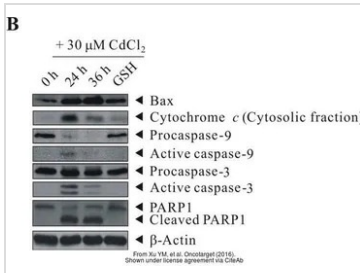


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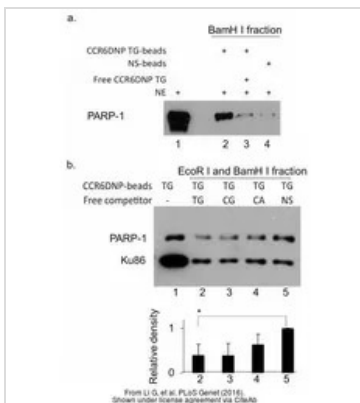
#### GTx100573 WB Image

The data was published in the journal Nat Commun in 2016. [PMID: 27703167](https://pubmed.ncbi.nlm.nih.gov/27703167/)



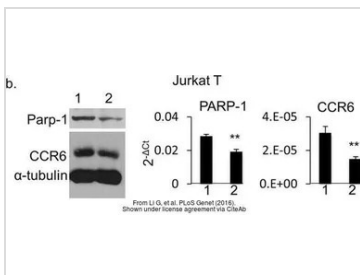
#### GTx100573 WB Image

The data was published in the journal Oncotarget in 2016. [PMID: 26716417](https://pubmed.ncbi.nlm.nih.gov/26716417/)



#### GTx100573 WB Image

The data was published in the journal PLoS Genet in 2016. [PMID: 27626929](https://pubmed.ncbi.nlm.nih.gov/27626929/)

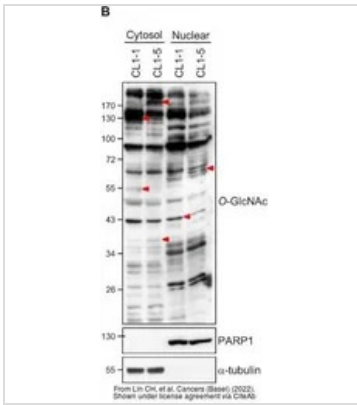


#### GTx100573 WB Image

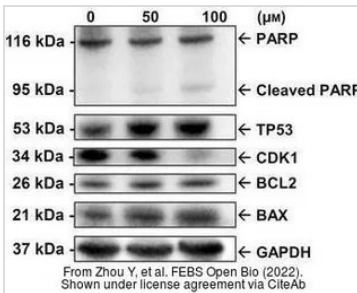
The data was published in the journal PLoS Genet in 2016. [PMID: 27626929](https://pubmed.ncbi.nlm.nih.gov/27626929/)



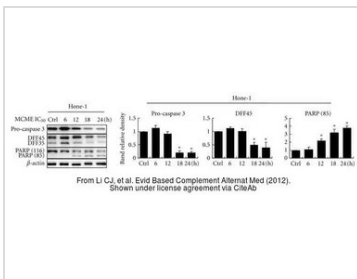
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**GTx100573 WB Image**

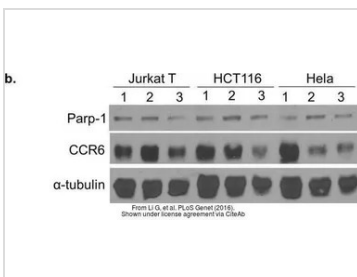
The data was published in the 2022 in Cancers (Basel). [PMID: 35008409](#)


**GTx100573 WB Image**

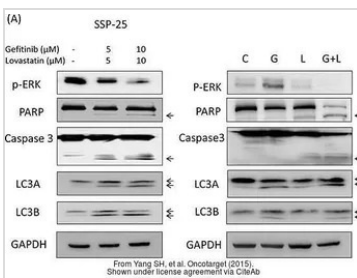
The data was published in the 2022 in FEBS Open Bio. [PMID: 34856073](#)


**GTx100573 WB Image**

The data was published in the journal Evid Based Complement Alternat Med in 2012. [PMID: 23091557](#)


**GTx100573 WB Image**

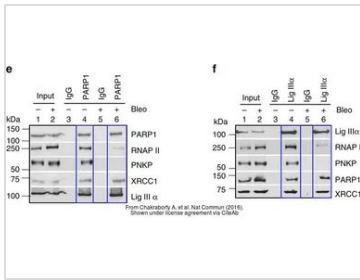
The data was published in the journal PLoS Genet in 2016. [PMID: 27626929](#)


**GTx100573 WB Image**

The data was published in the journal Oncotarget in 2015. [PMID: 26160843](#)

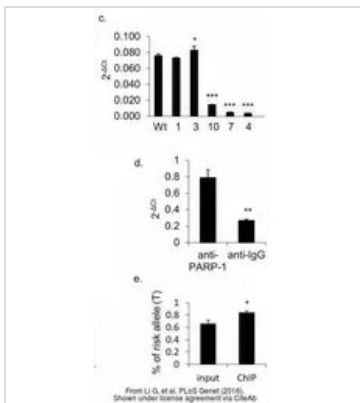


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### GTX100573 IP Image

The data was published in the journal Nat Commun in 2016. [PMID: 27703167](https://pubmed.ncbi.nlm.nih.gov/27703167/)



### GTX100573 ChIP assay Image

The data was published in the journal PLoS Genet in 2016. [PMID: 27626929](https://pubmed.ncbi.nlm.nih.gov/27626929/)



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# AKR7A2 antibody

**Cat. No. GTX104299**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P
<b>Reactivity</b>	Human, Mouse

**Package**  
100 µl, 25 µl

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000

Not tested in other applications.

**Calculated MW** 40 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 10% Glycerol
<b>Preservative</b>	0.01% Thimerosal
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human AKR7A2. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

### Note

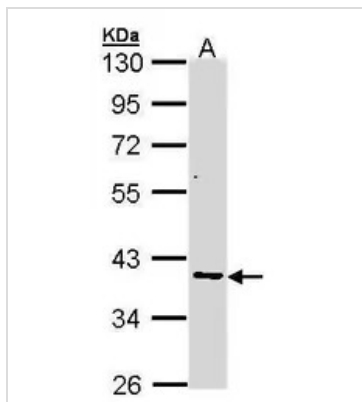
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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## DATA IMAGES



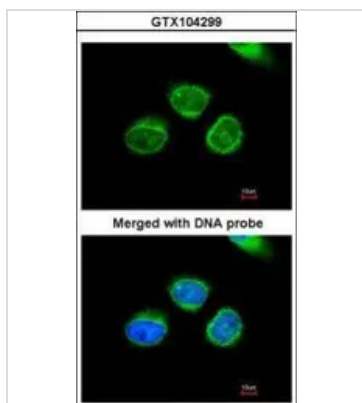
### GTX104299 WB Image

Sample (30 ug of whole cell lysate)

A: A431 (GTX27909)

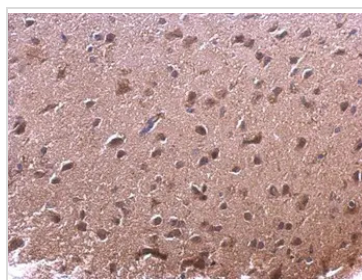
10% SDS PAGE

GTX104299 diluted at 1:1000



### GTX104299 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using AKR7 (GTX104299) antibody at 1:200 dilution.



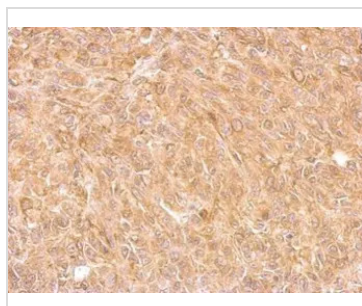
### GTX104299 IHC-P Image

AKR7A2 antibody detects AKR7A2 protein at cytoplasm on mouse fore brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse fore brain.

AKR7A2 antibody (GTX104299) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



### GTX104299 IHC-P Image

AKR7A2 antibody detects AKR7A2 protein at cytosol on SkHep1 xenograft by immunohistochemical analysis.

Sample: Paraffin-embedded SkHep2 xenograft.

AKR7A2 antibody (GTX104299) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



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# NHP2L1 antibody [N1C3]

**Cat. No. GTX109247**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, IHC-Wm
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish

**Package**  
100 µl, 25 µl

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Wm	Assay dependent

Not tested in other applications.

**Calculated MW** 14 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 10% Glycerol
<b>Preservative</b>	0.01% Thimerosal
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Full length human NHP2L1 Recombinant protein.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

### Note

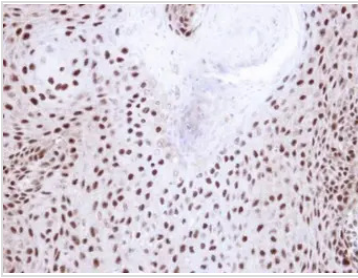
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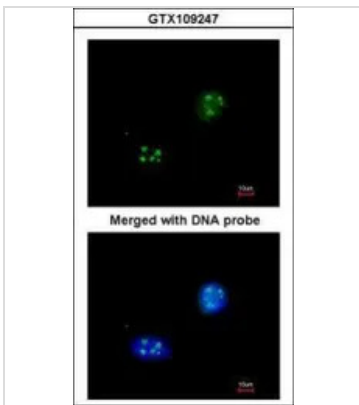
## DATA IMAGES



### GTX109247 IHC-P Image

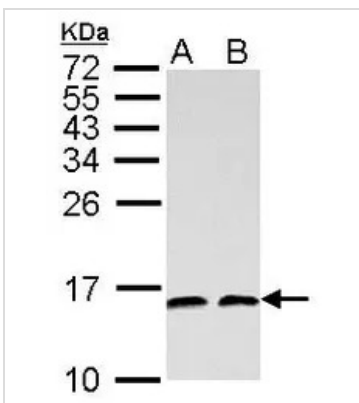
Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using NHP2-like protein 1(GTX109247) antibody at 1:100 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



### GTX109247 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using NHP2-like protein 1(GTX109247) antibody at 1:200 dilution.



### GTX109247 WB Image

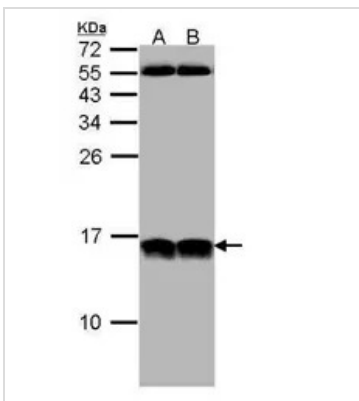
NHP2L1 antibody detects NHP2L1 protein by Western blot analysis.

A. 30 µg PC-12 whole cell lysate/extract

B. 30 µg Rat2 whole cell lysate/extract

15 % SDS-PAGE

NHP2L1 antibody (GTX109247) dilution: 1:1000



### GTX109247 WB Image

Sample (30 ug of whole cell lysate)

A: HeLa

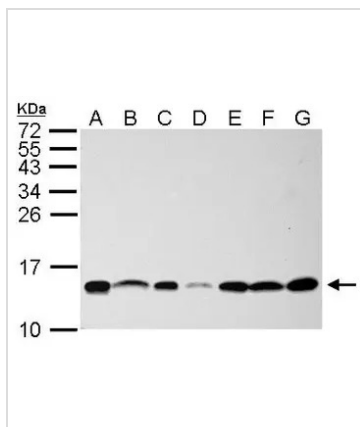
B: Hep G2 (GTX27900)

12% SDS PAGE

GTX109247 diluted at 1:1000



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## GTX109247 WB Image

NHP2L1 antibody detects NHP2L1 protein by Western blot analysis.

A. 30 µg Neuro2A whole cell lysate/extract

B. 30 µg GL261 whole cell lysate/extract

C. 30 µg C8D30 whole cell lysate/extract

D. 30 µg NIH-3T3 whole cell lysate/extract

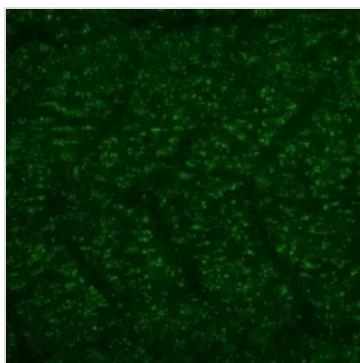
E. 30 µg BCL-1 whole cell lysate/extract

F. 30 µg Raw264.7 whole cell lysate/extract

G. 30 µg C2C12 whole cell lysate/extract

15 % SDS-PAGE

NHP2L1 antibody (GTX109247) dilution: 1:1000



## GTX109247 IHC-Wm Image

NHP2L1 antibody [N1C3] detects Nhp2l1 protein at nucleoli on whole-mount zebrafish embryos by immunohistochemical analysis.

Sample: Paraformaldehyde-fixed zebrafish embryos.

NHP2L1 antibody [N1C3] (GTX109247) dilution: 1:200.



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# Calnexin antibody [C3], C-term

**Cat. No. GTX109669**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, IP
<b>Reactivity</b>	Human, Mouse, Rat, Sheep

Reference ( 31 )

★★★★★ Review ( 3 )

Package

100 µl, 25 µl

## APPLICATION

### Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:500-1:1000

Not tested in other applications.

**Calculated MW** 68 kDa. ( [Note](#) )

**Product Note** IP/MS validation was supported by references (PMID:30377396)

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.46 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Calnexin. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

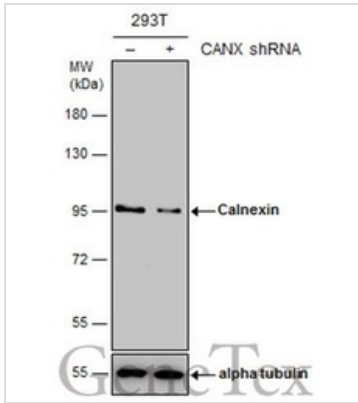


For full product information, images and publications, please visit our [website](#).

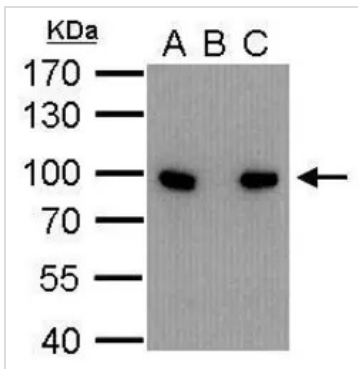
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

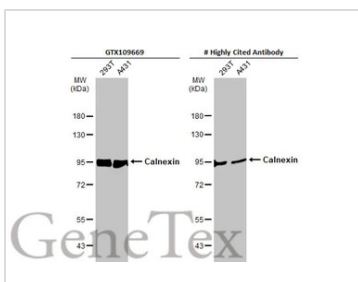
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx109669 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (15 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calnexin antibody [C3], C-term (GTx109669) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


**GTx109669 IP Image**

Calnexin antibody immunoprecipitates Calnexin protein in IP experiments. IP Sample: 1000 µg HeLa whole cell lysate/extract A. 30 µg HeLa whole cell lysate/extract B. Control with 2 µg of preimmune rabbit IgG C. Immunoprecipitation of Calnexin protein by 2 µg of Calnexin antibody (GTx109669) 7.5% SDS-PAGE The immunoprecipitated Calnexin protein was detected by Calnexin antibody (GTx109669) diluted at 1:1000. EasyBlot anti-rabbit IgG (GTx221666-01) was used as a secondary reagent.

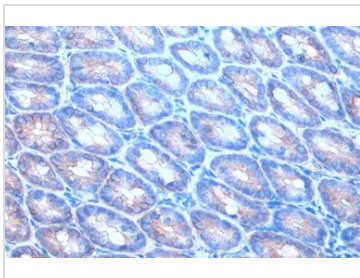

**GTx109669 WB Image**

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with Calnexin antibody [C3], C-term (GTx109669) diluted at 1:5000 and competitor's antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.

\*The competitor is not affiliated with GeneTex and does not endorse this product.



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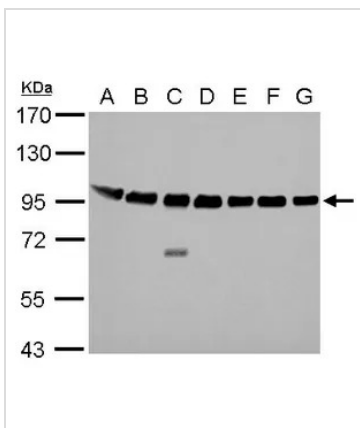

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at endoplasmic reticulum by immunohistochemical analysis.

Sample: Paraffin-embedded mouse duodenum.

Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTX109669 WB Image**

Calnexin antibody [C3], C-term detects Calnexin protein by Western blot analysis.

A. 30 µg Neuro2A whole cell lysate/extract

B. 30 µg GL261 whole cell lysate/extract

C. 30 µg C8D30 whole cell lysate/extract

D. 30 µg NIH-3T3 whole cell lysate/extract

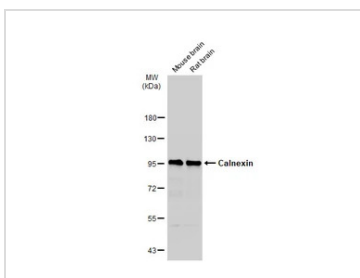
E. 30 µg BCL-1 whole cell lysate/extract

F. 30 µg Raw264.7 whole cell lysate/extract

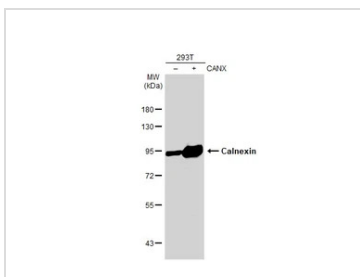
G. 30 µg C2C12 whole cell lysate/extract

7.5 % SDS-PAGE

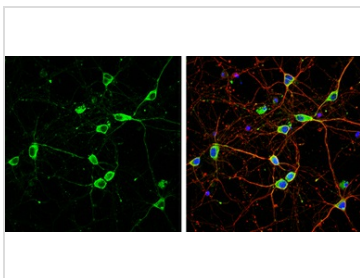
Calnexin antibody [C3], C-term (GTX109669) dilution: 1:10000


**GTX109669 WB Image**

Various tissue extracts (50 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calnexin antibody [C3], C-term (GTX109669) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX109669 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calnexin antibody [C3], C-term (GTX109669) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX109669 ICC/IF Image**

Calnexin antibody [C3], C-term detects Calnexin protein by immunofluorescent analysis.

Sample: DIV9 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:500.

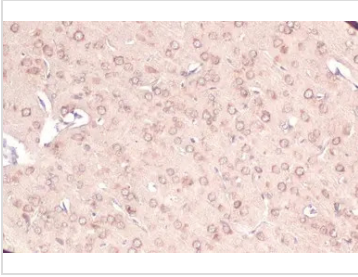
Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



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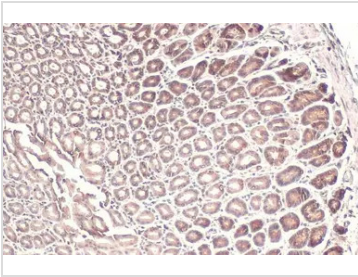

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded rat brain.

Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:165.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

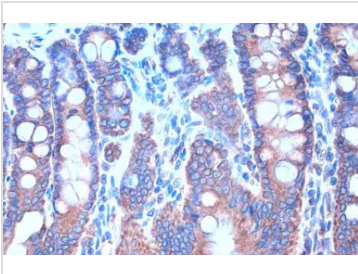

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded mouse stomach.

Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:165.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

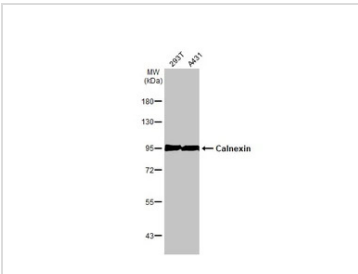

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at endoplasmic reticulum by immunohistochemical analysis.

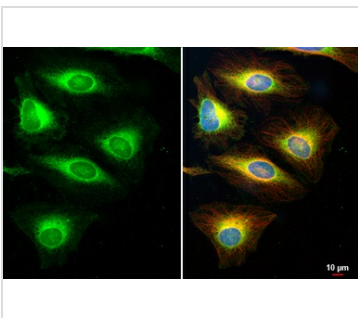
Sample: Paraffin-embedded rat duodenum.

Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTX109669 WB Image**

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calnexin antibody [C3], C-term (GTX109669) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX109669 ICC/IF Image**

Calnexin antibody [C3], C-term detects Calnexin protein at endoplasmic reticulum by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

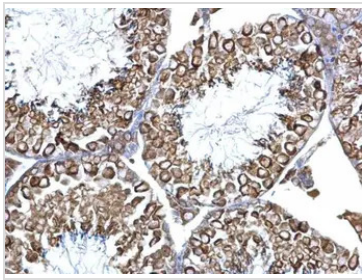
Green: Calnexin stained by Calnexin antibody [C3], C-term (GTX109669) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTX30920).



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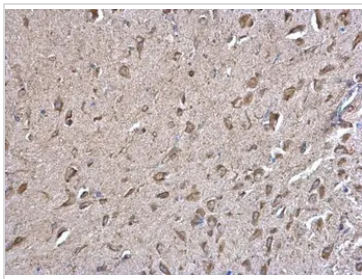

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at cytosol on mouse testis by immunohistochemical analysis.

Sample: Paraffin-embedded mouse testis.

Calnexin antibody [C3], C-term (GTX109669) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min

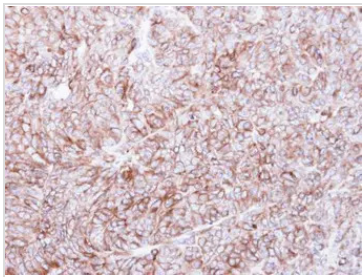

**GTX109669 IHC-P Image**

Calnexin antibody [C3], C-term detects Calnexin protein at cytosol on mouse middle brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse middle brain.

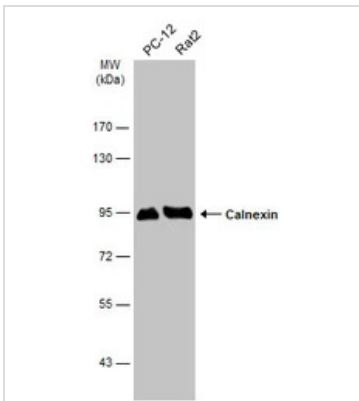
Calnexin antibody [C3], C-term (GTX109669) dilution: 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min

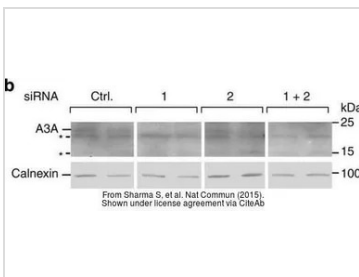

**GTX109669 IHC-P Image**

Immunohistochemical analysis of paraffin-embedded DLD-1 xenograft, using Calnexin(GTX109669) antibody at 1:500 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min


**GTX109669 WB Image**

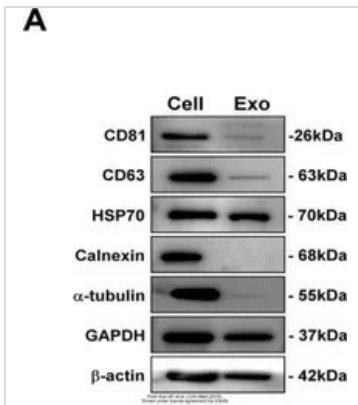
Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Calnexin antibody [C3], C-term (GTX109669) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX109669 WB Image**

The data was published in the journal Nat Commun in 2015. [PMID: 25898173](https://pubmed.ncbi.nlm.nih.gov/25898173/)

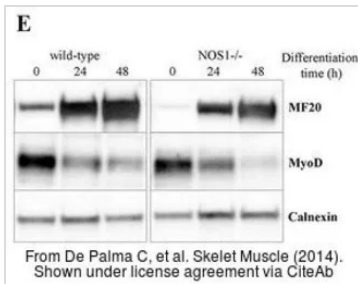


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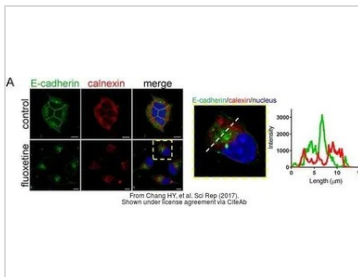
#### GTX109669 WB Image

The data was published in the journal J Clin Med in 2019. [PMID: 31167519](#)



#### GTX109669 WB Image

The data was published in the journal Skelet Muscle in 2014. [PMID: 25530838](#)



#### GTX109669 ICC/IF Image

The data was published in the journal Sci Rep in 2017. [PMID: 28615694](#)



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# alpha Tubulin antibody

**Cat. No. GTX112141**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, IHC-Fr
<b>Reactivity</b>	Human, Mouse, Rat, Drosophila, Chicken, Caenorhabditis elegans, Mosquito, Tetrahymena

Reference ( 166 )

★★★★★ Review ( 6 )

Package

100 µl, 25 µl

## APPLICATION

### 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	Assay dependent

Not tested in other applications.

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 20% Glycerol
<b>Preservative</b>	0.01% Thimerosal
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.44 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human alpha Tubulin. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

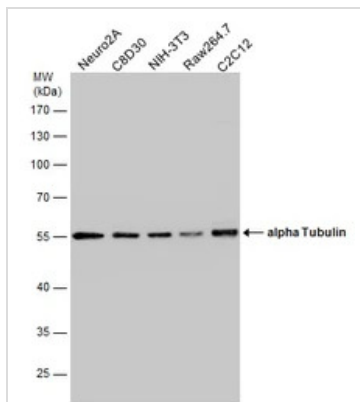
### Note

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

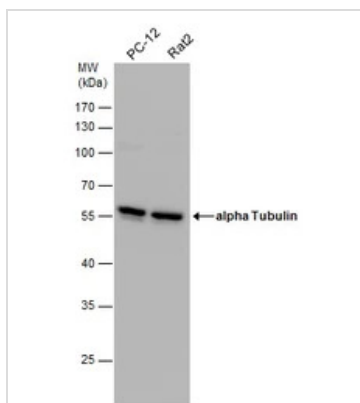
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



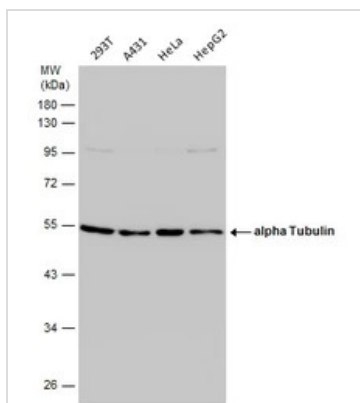
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**DATA IMAGES**

**GTX112141 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX112141 WB Image**

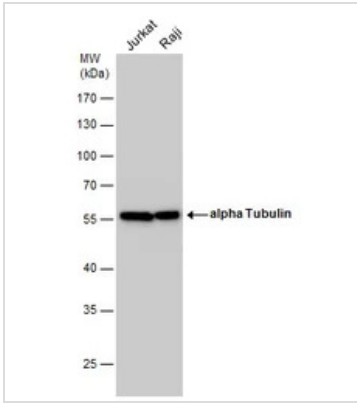
Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


**GTX112141 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

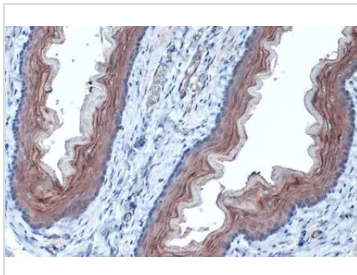


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## GTx112141 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTx112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



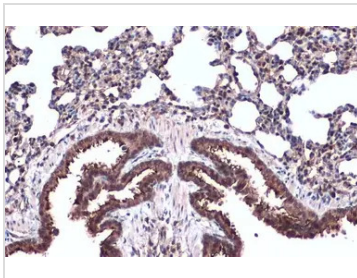
## GTx112141 IHC-P Image

alpha Tubulin antibody detects alpha Tubulin protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded rat esophagus.

alpha Tubulin stained by alpha Tubulin antibody (GTx112141) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



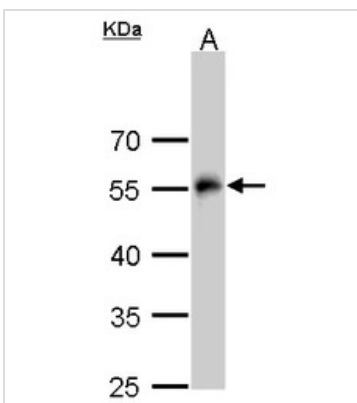
## GTx112141 IHC-P Image

alpha Tubulin antibody detects alpha Tubulin protein at cell membrane and cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded mouse lung.

alpha Tubulin stained by alpha Tubulin antibody (GTx112141) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



## GTx112141 WB Image

alpha Tubulin antibody detects alpha Tubulin protein by western blot analysis.

A. 30 µg Drosophila lysate/extract

10% SDS-PAGE

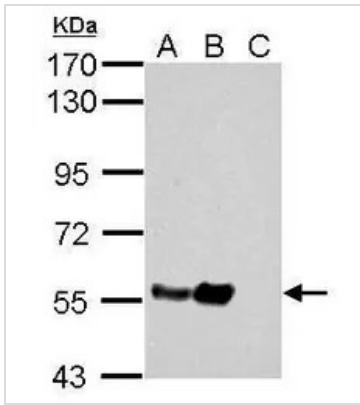
alpha Tubulin antibody (GTx112141) dilution: 1:2000

The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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## GTX112141 WB Image

Sample (30 µg of cell lysate)

A: HeLa

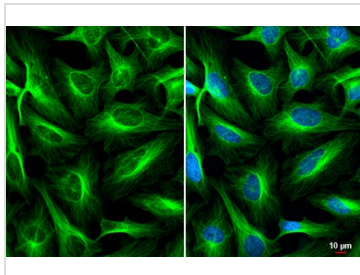
B: HeLa cytosol fraction

C: HeLa nucleus fraction

10% SDS PAGE

GTX112141 diluted at 1:10000

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



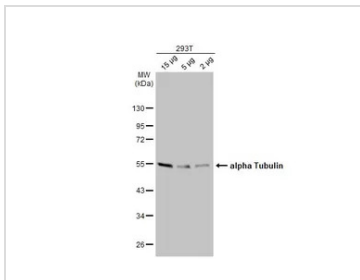
## GTX112141 ICC/IF Image

alpha Tubulin antibody detects alpha Tubulin protein at cytoskeleton by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

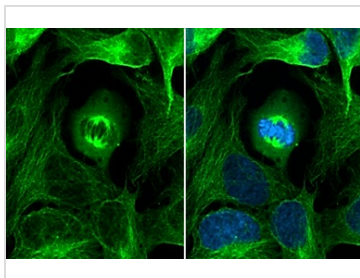
Green: alpha Tubulin stained by alpha Tubulin antibody (GTX112141) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



## GTX112141 WB Image

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody (GTX112141) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



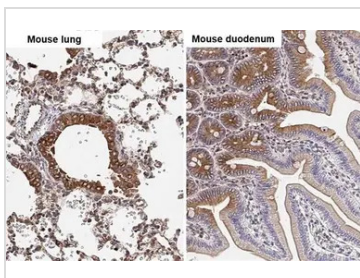
## GTX112141 ICC/IF Image

alpha Tubulin antibody 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 (GTX112141) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



## GTX112141 IHC-P Image

alpha Tubulin antibody detects alpha Tubulin protein by immunohistochemical analysis.

Sample: Paraffin-embedded mouse tissues.

alpha Tubulin stained by alpha Tubulin antibody (GTX112141) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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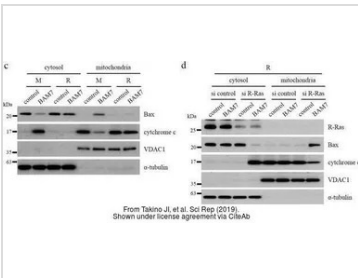
#### GTX112141 IHC-P Image

alpha Tubulin antibody detects alpha Tubulin protein at cytoplasm and nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded rat lung.

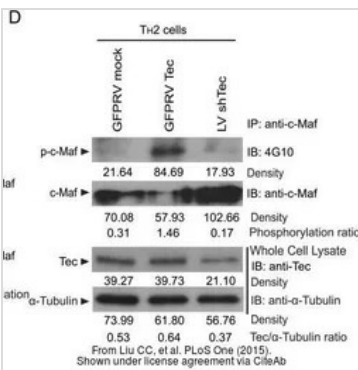
alpha Tubulin stained by alpha Tubulin antibody (GTX112141) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



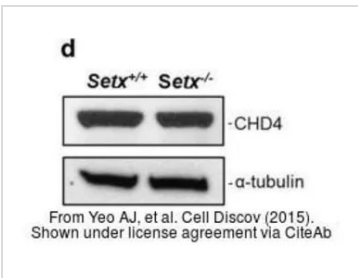
#### GTX112141 WB Image

The data was published in the journal Sci Rep in 2019. [PMID: 31723205](#)



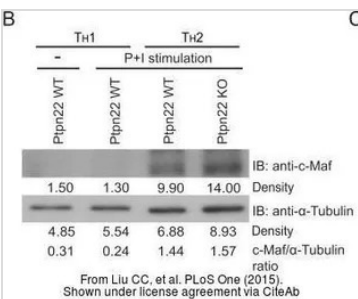
#### GTX112141 WB Image

The data was published in the journal PLoS One in 2015. [PMID: 25993510](#)



#### GTX112141 WB Image

The data was published in the journal Cell Discov in 2015. [PMID: 27462424](#)



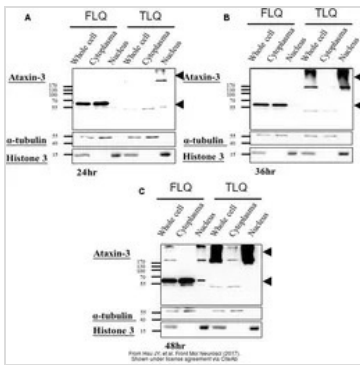
#### GTX112141 WB Image

The data was published in the journal PLoS One in 2015. [PMID: 25993510](#)



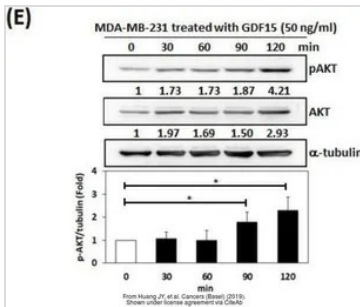
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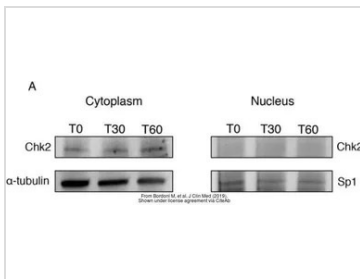
#### GTx112141 WB Image

The data was published in the journal Front Mol Neurosci in 2017. [PMID: 28676741](#)



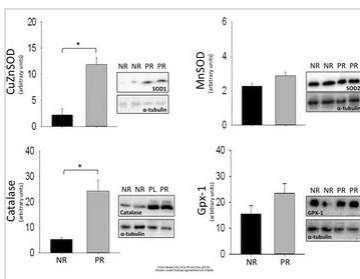
#### GTx112141 WB Image

The data was published in the 2019 in Cancers (Basel). [PMID: 31861872](#)



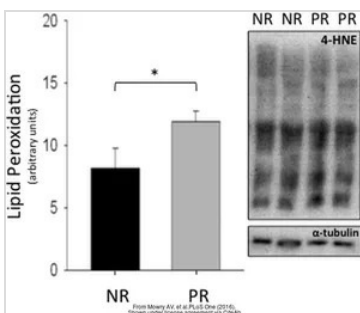
#### GTx112141 WB Image

The data was published in the 2019 in J Clin Med. [PMID: 31121901](#)



#### GTx112141 WB Image

The data was published in the journal PLoS One in 2016. [PMID: 27537547](#)

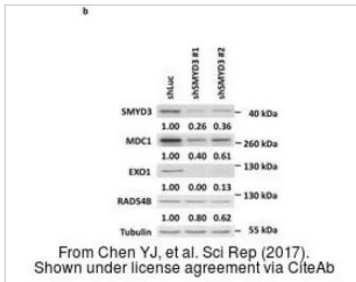


#### GTx112141 WB Image

The data was published in the journal PLoS One in 2016. [PMID: 27537547](#)

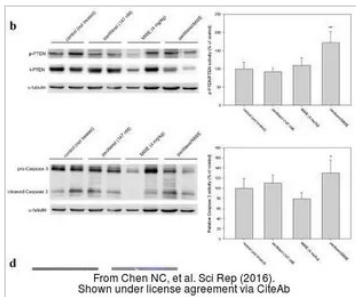


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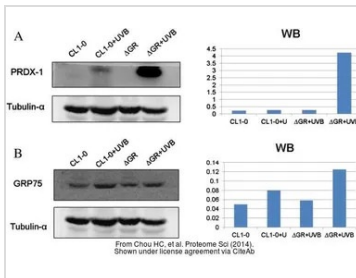
**GTX112141 WB Image**

The data was published in the journal Sci Rep in 2017. [PMID: 28630472](#)



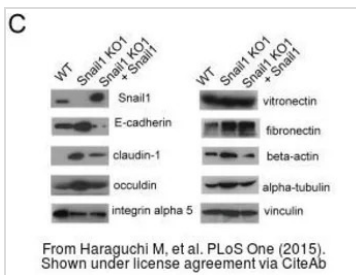
**GTX112141 WB Image**

The data was published in the journal Sci Rep in 2016. [PMID: 26838546](#)



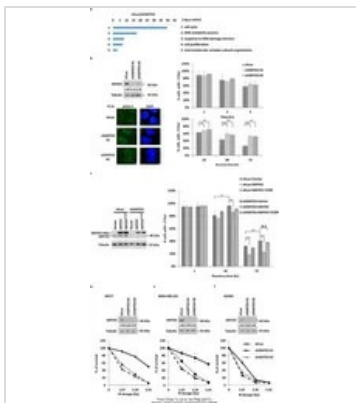
**GTX112141 WB Image**

The data was published in the journal Proteome Sci in 2014. [PMID: 24405781](#)



**GTX112141 WB Image**

The data was published in the journal PLoS One in 2015. [PMID: 26161782](#)

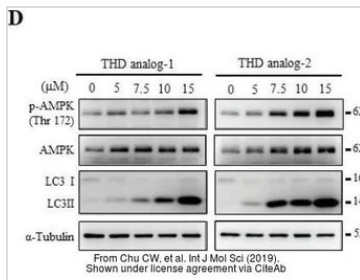


**GTX112141 WB Image**

The data was published in the journal Sci Rep in 2017. [PMID: 28630472](#)

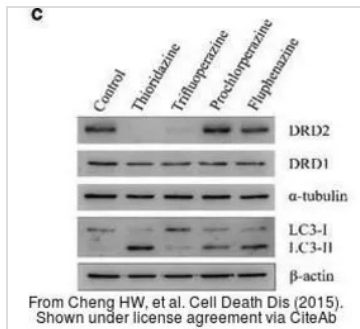


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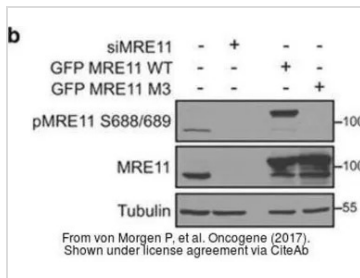
**GTX112141 WB Image**

The data was published in the journal *Int J Mol Sci* in 2019. [PMID: 30678307](#)



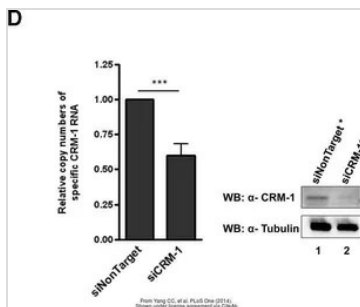
**GTX112141 WB Image**

The data was published in the journal Cell Death Dis in 2015. [PMID: 25950483](#)



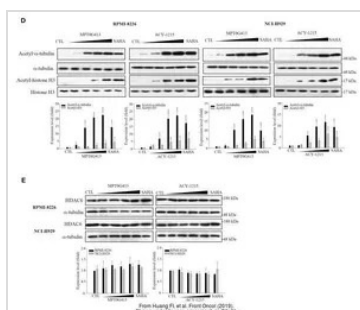
**GTX112141 WB Image**

The data was published in the journal Oncogene in 2017. [PMID: 28436950](#)



**GTX112141 WB Image**

The data was published in the journal PLoS One in 2014. [PMID: 25360769](#)

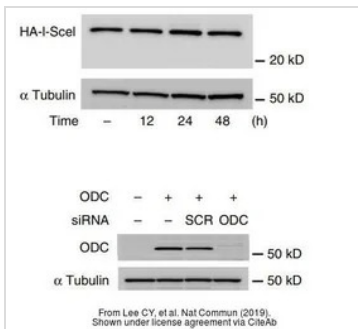


**GTX112141 WB Image**

The data was published in the journal Front Oncol in 2019. [PMID: 31024851](#)

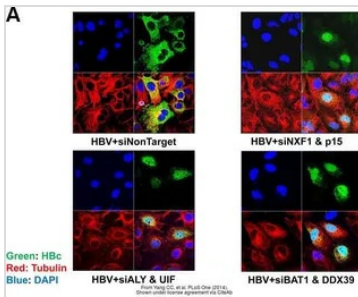


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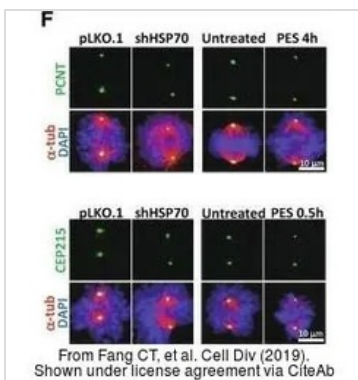
#### GTX112141 WB Image

The data was published in the journal Nat Commun in 2019. [PMID: 30622262](#)



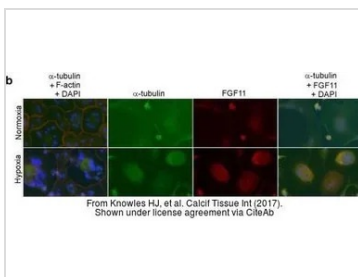
#### GTX112141 ICC/IF Image

The data was published in the journal PLoS One in 2014. [PMID: 25360769](#)



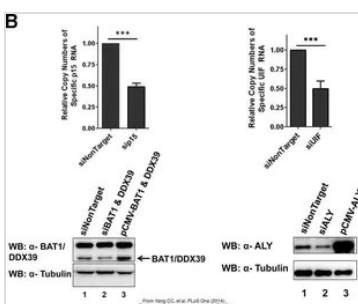
#### GTX112141 ICC/IF Image

The data was published in the journal Cell Div in 2019. [PMID: 31110557](#)



#### GTX112141 ICC/IF Image

The data was published in the journal Calcif Tissue Int in 2017. [PMID: 28097375](#)

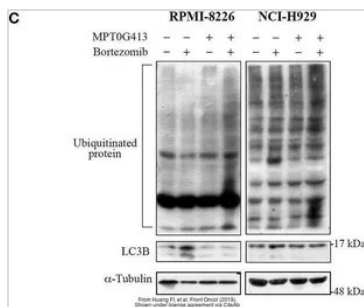


#### GTX112141 WB Image

The data was published in the journal PLoS One in 2014. [PMID: 25360769](#)



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### GTX112141 WB Image

The data was published in the journal Front Oncol in 2019. [PMID: 31024851](https://pubmed.ncbi.nlm.nih.gov/31024851/)



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## Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

Host	Goat
Clonality	Polyclonal
Isotype	IgG
Application	WB, IHC-P, ELISA
Reactivity	Rabbit

Reference ( 501 )  
Package  
1 ml

## APPLICATION

## Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
IHC-P	1:100-1:1000
ELISA	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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Highly purified whole rabbit IgG
Purification	Purified by antigen-affinity chromatography.
Conjugation	Horseradish peroxidase(HRP)

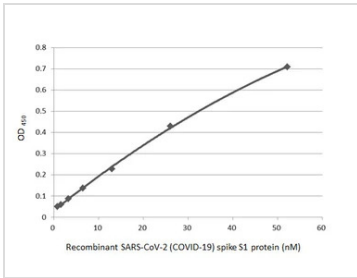
## Note

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

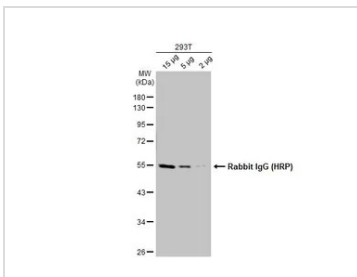
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



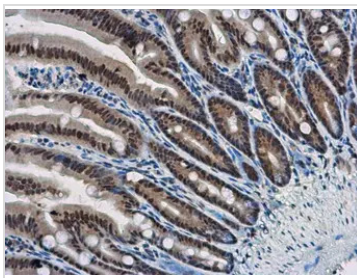
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**DATA IMAGES**

**GTX213110-01 ELISA Image**

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.


**GTX213110-01 WB Image**

Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Rabbit IgG antibody (HRP) (GTX213110-01) diluted at 1:10000.


**GTX213110-01 IHC-P Image**

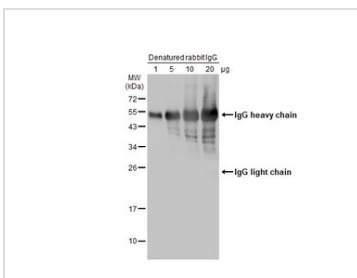
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.

Sample: Paraffin-embedded mouse intestine.

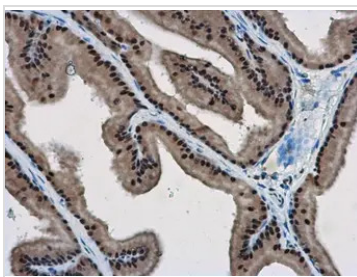
WBP11 antibody (GTX118654) diluted at 1:500.

The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01)

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


**GTX213110-01 WB Image**

Various amounts of denatured rabbit IgG protein were separated by 12% SDS-PAGE, and the membrane was blotted with HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) diluted at 1:5000.


**GTX213110-01 IHC-P Image**

WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.

Sample: Paraffin-embedded rat prostate.

WBP11 antibody (GTX118654) diluted at 1:500.

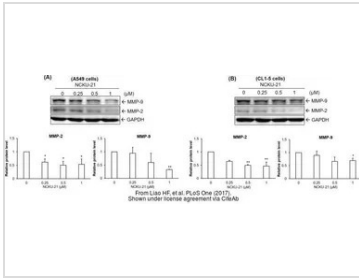
The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



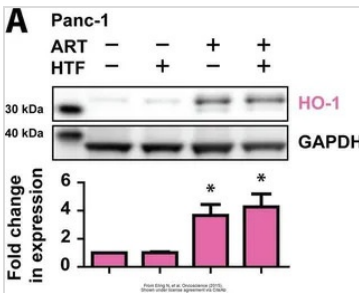
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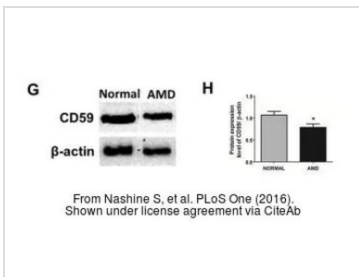
#### GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28945763](#)



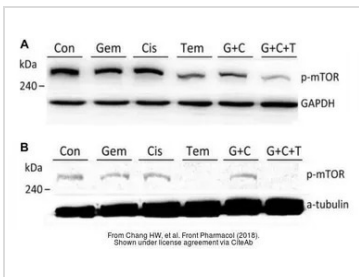
#### GTx213110-01 WB Image

The data was published in the journal Oncoscience in 2015. [PMID: 26097885](#)



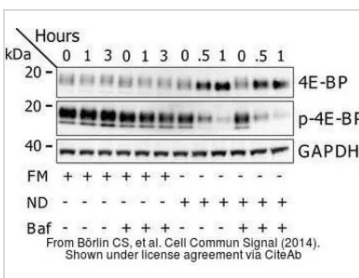
#### GTx213110-01 WB Image

The data was published in the 2016 in PLoS One. [PMID: 27486856](#)



#### GTx213110-01 WB Image

The data was published in the journal Front Pharmacol in 2018. [PMID: 30087612](#)



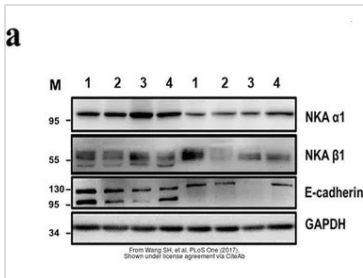
#### GTx213110-01 WB Image

The data was published in the journal Cell Commun Signal in 2014. [PMID: 25214434](#)



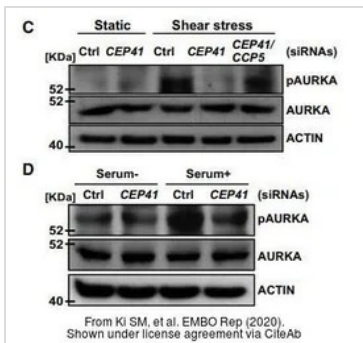
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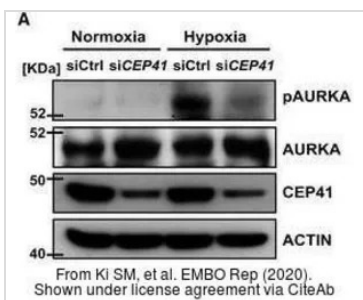
GTx213110-01 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 28832634](https://pubmed.ncbi.nlm.nih.gov/28832634/)



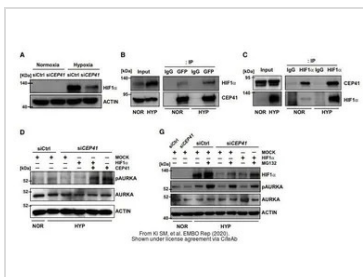
GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)



GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)

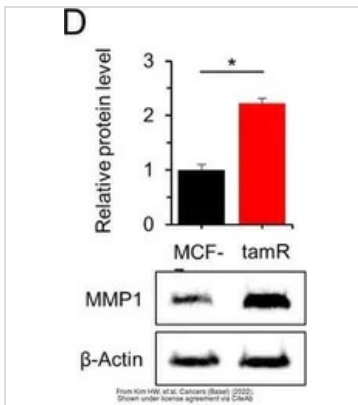


GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](https://pubmed.ncbi.nlm.nih.gov/31885126/)

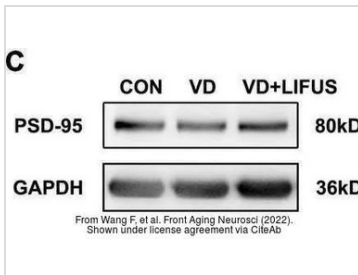


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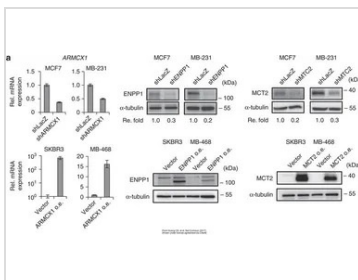
#### GTx213110-01 WB Image

The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](#)



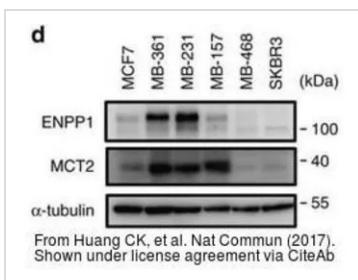
#### GTx213110-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](#)



#### GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)

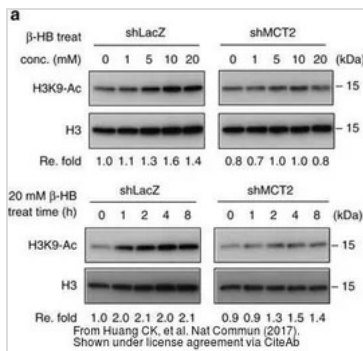


#### GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](#)



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### GTx213110-01 WB Image

The data was published in the 2017 in Nat Commun. [PMID: 28281525](https://pubmed.ncbi.nlm.nih.gov/28281525/)



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