

GTX300060

Nuclear Envelope Markers Antibody Panel

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX101127	Lamin A + C antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IP	25 µl
GTX103292	Lamin B1 antibody	Human, Mouse, Rat, Hamster	WB, IHC-P, IP	25 µl
GTX110309	Lamin B2 antibody	Human	WB, ICC/IF, IHC-P	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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Lamin A + C antibody

Cat. No. GTX101127

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

References (53)

★★★★★ Review (3)

Package

100 µl, 25 µl

Applications

Application Note

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

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

Not tested in other applications.

Calculated MW 74 kDa. ([Note](#))

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	0.16 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Lamin A + C. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



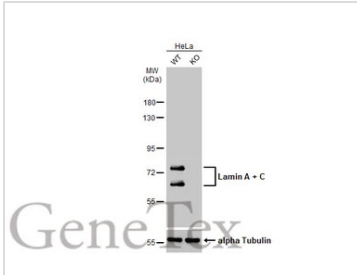
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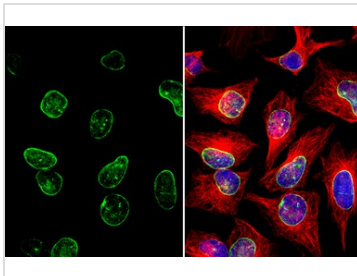
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Note

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DATA IMAGES

GTX101127 WB Image

Wild-type (WT) and Lamin A + C knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody (GTX101127) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX101127 ICC/IF Image

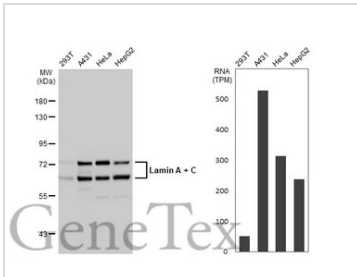
Lamin A + C antibody detects Lamin A + C protein at nuclear envelope by immunofluorescent analysis.

Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.

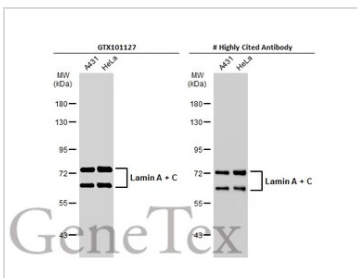
Green: Lamin A + C stained by Lamin A + C antibody (GTX101127) diluted at 1:1000.

Red: alpha Tubulin, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).


GTX101127 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody (GTX101127) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.

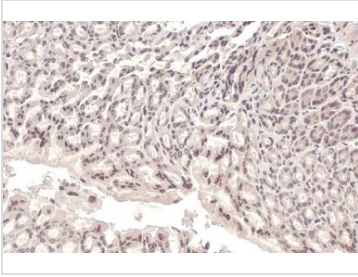

GTX101127 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with Lamin A + C antibody (GTX101127) diluted at 1:500 and competitor's antibody 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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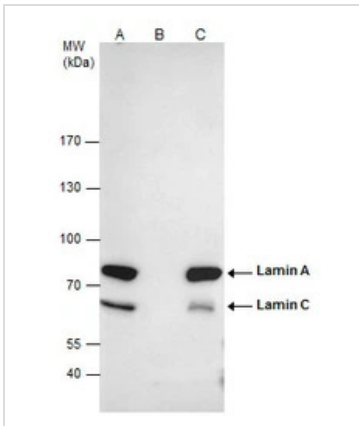
GTX101127 IHC-P Image

Lamin A + C antibody detects Lamin A + C protein at cytoplasm and nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded mouse stomach.

Lamin A + C stained by Lamin A + C antibody (GTX101127) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX101127 IP Image

Lamin A + C antibody immunoprecipitates Lamin A + C protein in IP experiments.

IP samples: HeLa whole cell extract

A. 50 µg HeLa whole cell extract

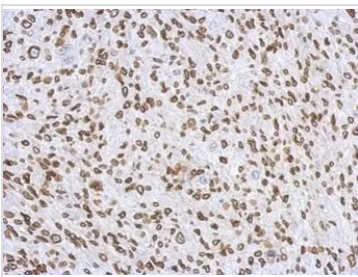
B. Control with 4 µg of preimmune Rabbit IgG

C. Immunoprecipitation of Lamin A + C protein by 4 µg Lamin A + C antibody (GTX101127)

7.5 % SDS-PAGE

The immunoprecipitated Lamin A + C protein was detected by Lamin A + C antibody (GTX101127) diluted at 1:500.

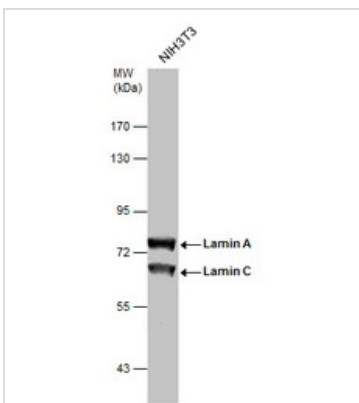
[EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent]



GTX101127 IHC-P Image

Immunohistochemical analysis of paraffin-embedded C2C12 xenograft, using Lamin A + C (GTX101127) antibody at 1:500 dilution.

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



GTX101127 WB Image

Sample (30 µg of whole cell lysate)

A: NIH-3T3

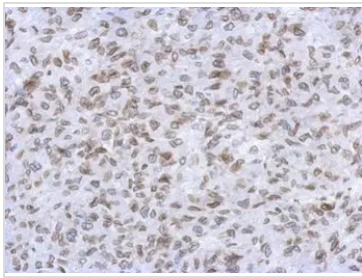
7.5% SDS PAGE

GTX101127 diluted at 1:1000

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



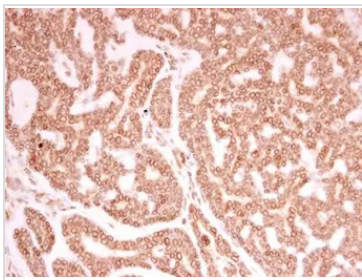
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GTx101127 IHC-P Image

Immunohistochemical analysis of paraffin-embedded RT2 xenograft, using Lamin A + C(GTX101127) antibody at 1:500 dilution.

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



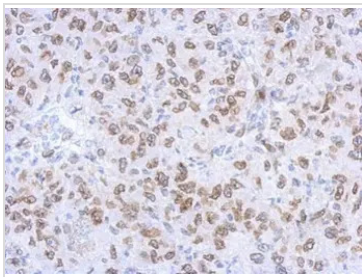
GTx101127 IHC-P Image

Lamin A + C antibody detects Lamin A + C protein at nuclear envelope in human breast carcinoma by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

Lamin A + C antibody (GTx101127) diluted at 1:250.

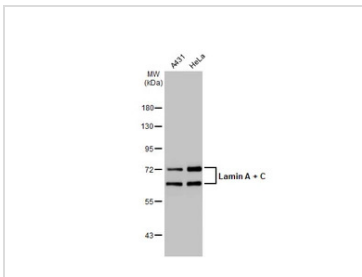
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTx101127 IHC-P Image

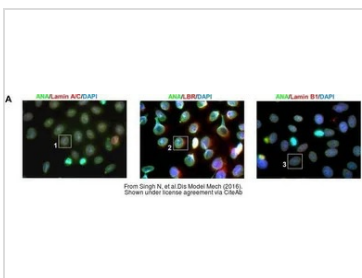
Immunohistochemical analysis of paraffin-embedded Mahlarvu xenograft, using Lamin A + C(GTX101127) antibody at 1:500 dilution.

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



GTx101127 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin A + C antibody (GTx101127) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.

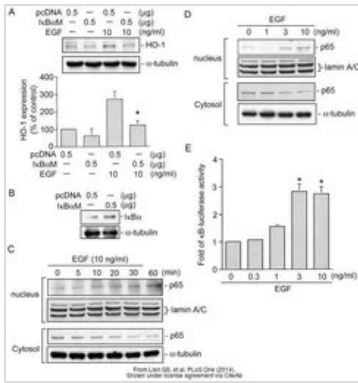


GTx101127 ICC/IF Image

The data was published in the journal Dis Model Mech in 2016. [PMID: 27483354](https://pubmed.ncbi.nlm.nih.gov/27483354/)



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GTX101127 WB Image

The data was published in the journal PLoS One in 2014. [PMID: 25122478](https://doi.org/10.1371/journal.pone.0251224)



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Lamin B1 antibody

Cat. No. GTX103292

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, IP
Reactivity	Human, Mouse, Rat, Hamster

References (57)

★★★★★ Review (3)

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
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 66 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 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	0.64 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Lamin B1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

Note

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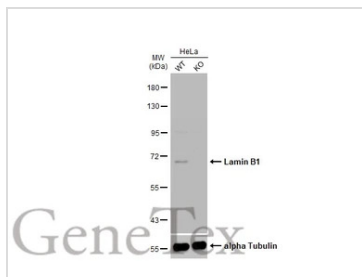
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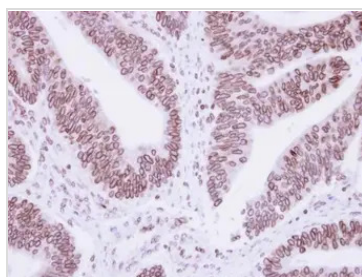
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DATA IMAGES



GTX103292 WB Image

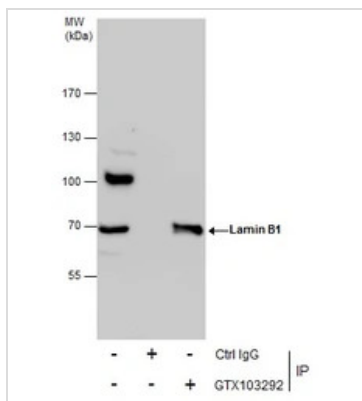
Wild-type (WT) and Lamin B1 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX103292 IHC-P Image

Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using Lamin B1 antibody (GTX103292) at 1:250 dilution.

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

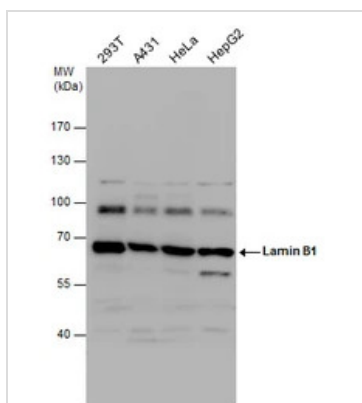


GTX103292 IP Image

Immunoprecipitation of Lamin B1 protein from 293T whole cell extracts using 5 µg of Lamin B1 antibody (GTX103292).

Western blot analysis was performed using Lamin B1 antibody (GTX103292).

EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.

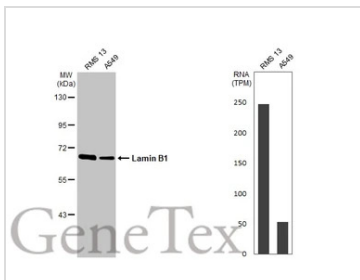


GTX103292 WB Image

Lamin B1 antibody detects Lamin B1 protein by Western blot analysis. Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted by 1:1000.

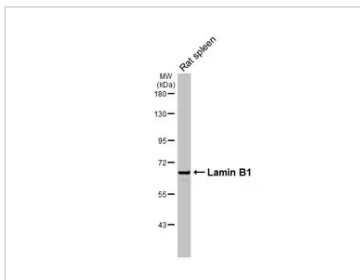


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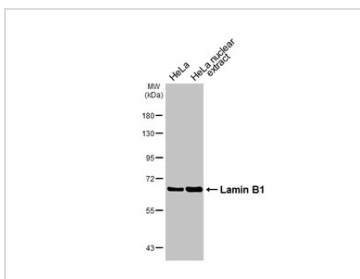
GTX103292 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



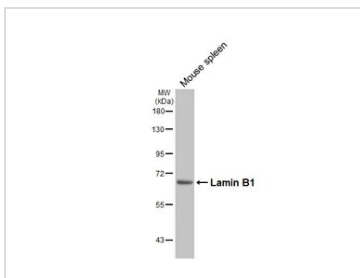
GTX103292 WB Image

Rat tissue extract (50 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



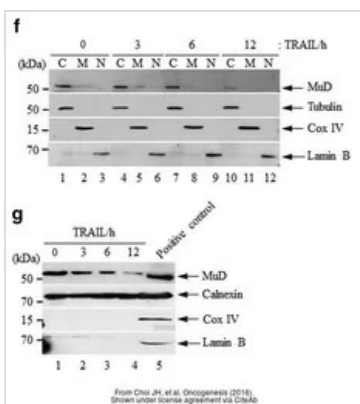
GTX103292 WB Image

HeLa whole cell and nuclear extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX103292 WB Image

Mouse tissue extract (50 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Lamin B1 antibody (GTX103292) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident femto Western HRP Substrate.

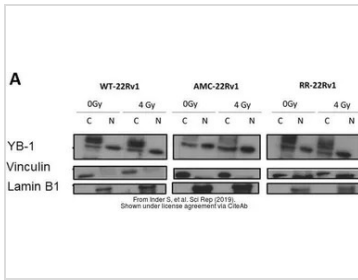


GTX103292 WB Image

The data was published in the journal Oncogenesis in 2016. [PMID: 27136675](https://pubmed.ncbi.nlm.nih.gov/27136675/)

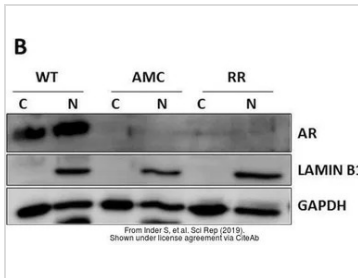


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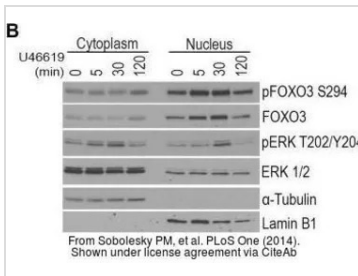
GTXT103292 WB Image

The data was published in the journal Sci Rep in 2019. [PMID: 31758038](#)



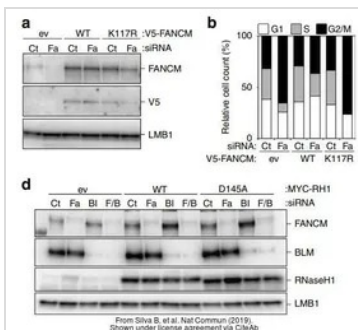
GTXT103292 WB Image

The data was published in the journal Sci Rep in 2019. [PMID: 31758038](#)



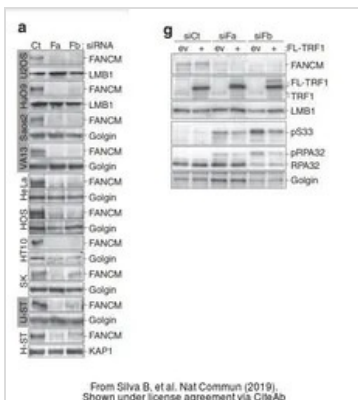
GTXT103292 WB Image

The data was published in the journal PLoS One in 2014. [PMID: 25202904](#)



GTXT103292 WB Image

The data was published in the journal Nat Commun in 2019. [PMID: 31138795](#)

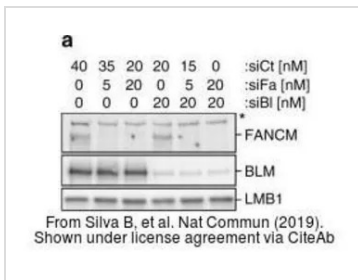


GTXT103292 WB Image

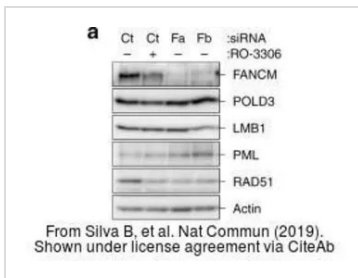
The data was published in the journal Nat Commun in 2019. [PMID: 31138795](#)



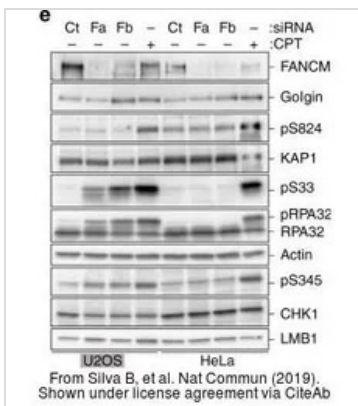
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GTX103292 WB Image

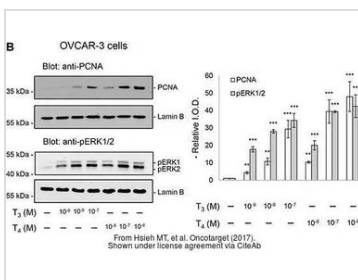
The data was published in the journal Nat Commun in 2019. [PMID: 31138795](https://pubmed.ncbi.nlm.nih.gov/31138795/)


GTX103292 WB Image

The data was published in the journal Nat Commun in 2019. [PMID: 31138795](https://pubmed.ncbi.nlm.nih.gov/31138795/)


GTX103292 WB Image

The data was published in the journal Nat Commun in 2019. [PMID: 31138795](https://pubmed.ncbi.nlm.nih.gov/31138795/)


GTX103292 WB Image

The data was published in the journal Oncotarget in 2017. [PMID: 27458161](https://pubmed.ncbi.nlm.nih.gov/27458161/)



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Lamin B2 antibody

Cat. No. GTX110309

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P
Reactivity	Human

Package

100 µl, 25 µl

Applications

Application Note

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

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

Not tested in other applications.

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

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.01% Thimerosal
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	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 Lamin B2. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

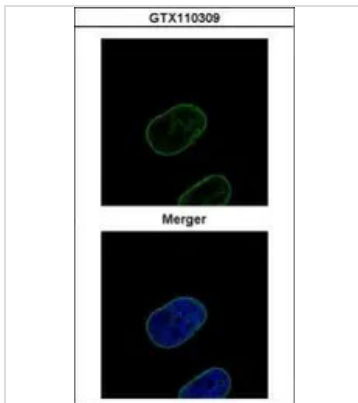
Note

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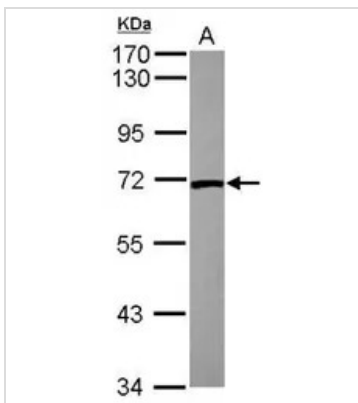
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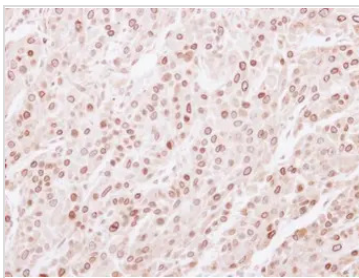
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DATA IMAGES

GTX110309 ICC/IF Image

Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using Lamin B2(GTX110309) antibody (Green) at 1:500 dilution.


GTX110309 WB Image

Sample (30 ug of whole cell lysate)
A: U87-MG
7.5% SDS PAGE
GTX110309 diluted at 1:10000


GTX110309 IHC-P Image

Immunohistochemical analysis of paraffin-embedded human ovarian cancer, using Lamin B2(GTX110309) antibody at 1:250 dilution.
Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



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Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

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

References (654)

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

Not tested in other applications.

Properties

Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl
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	0.2 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

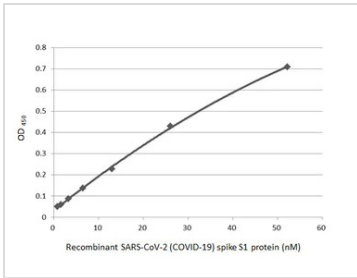
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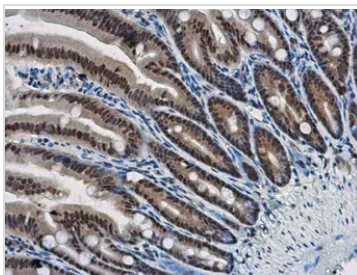
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DATA IMAGES



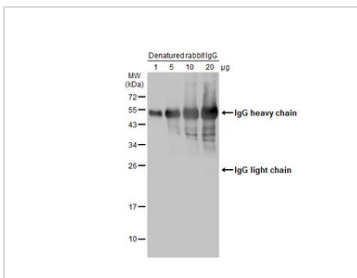
GTX213110-01 ELISA Image

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.



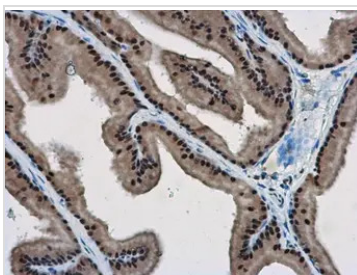
GTX213110-01 IHC-P Image

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



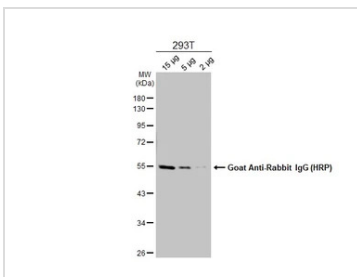
GTX213110-01 WB Image

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

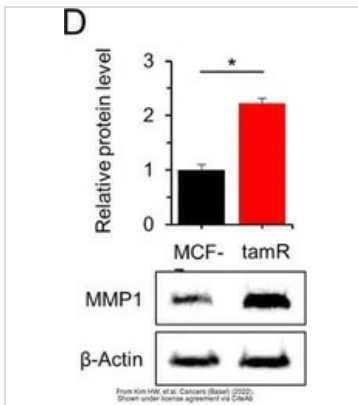


GTX213110-01 WB Image

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.

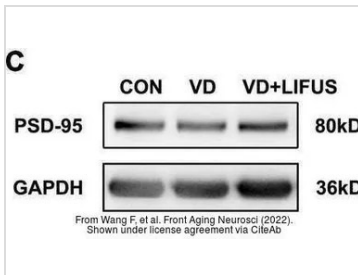


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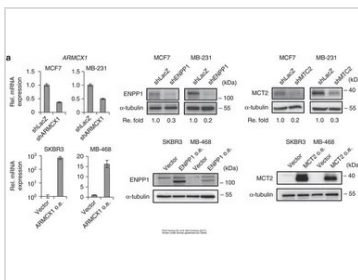
GTX213110-01 WB Image

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



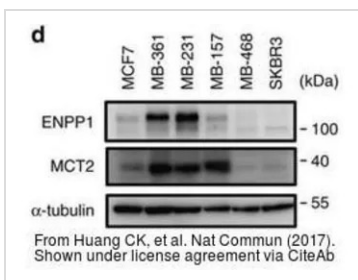
GTX213110-01 WB Image

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](#)

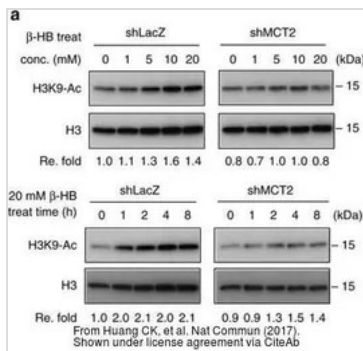


GTX213110-01 WB Image

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

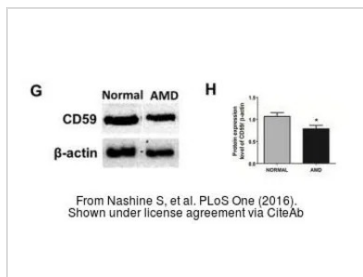


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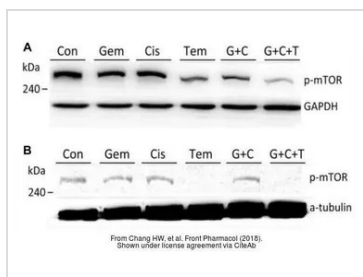
GTx213110-01 WB Image

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



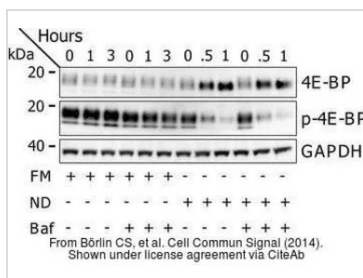
GTx213110-01 WB Image

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



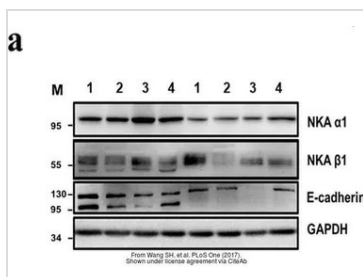
GTx213110-01 WB Image

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](#)

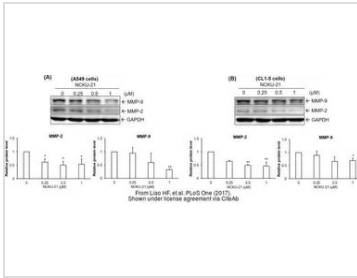


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The data was published in the journal PLoS One in 2017. [PMID: 28832634](#)

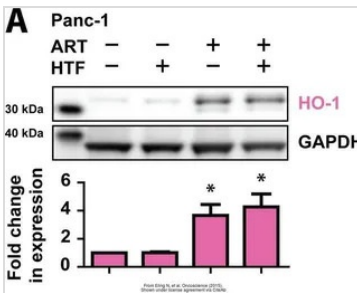


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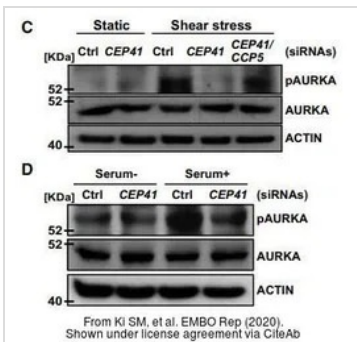
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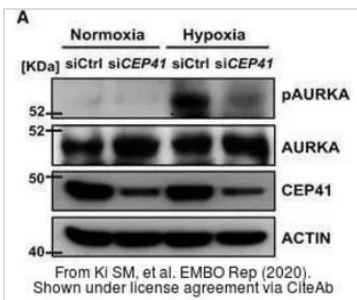
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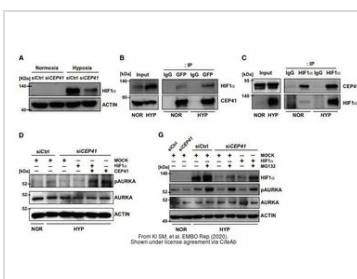
GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](#)



GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](#)



GTx213110-01 WB Image

The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](#)



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