

GTX300102

Antibody panel for apoptosis

Product Content

Cat No	Product Name	Reactivity	Application	Package
GTX100573	PARP antibody	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IP, ChIP assay	10 µl
GTX110543	Caspase 3 antibody	Human, Mouse, Rat	WB, IHC-P, IHC-Fr, IP, Dot	10 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.



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

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



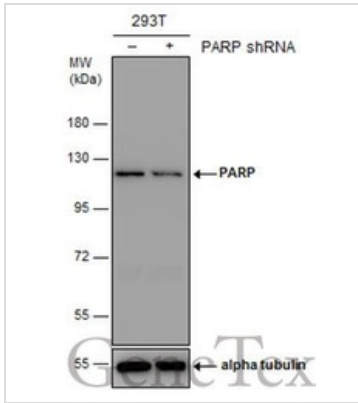
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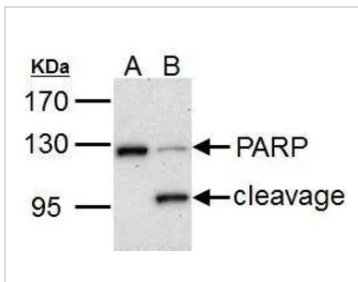
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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

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.

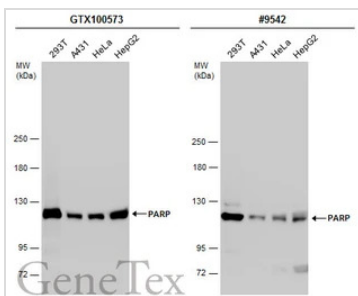
A. 30 µg HCT116 whole cell lysate/extract (untreated)

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.

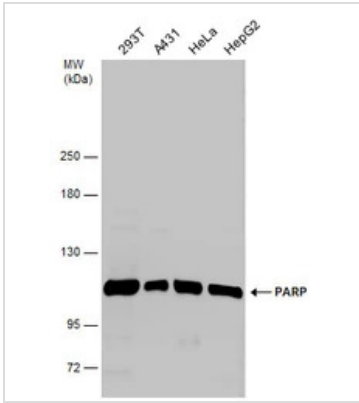

GTX100573 WB Image

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.

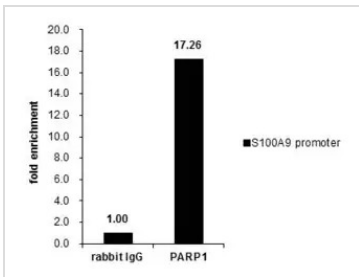


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GTX100573 WB Image

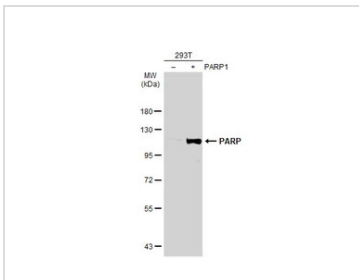
Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with PARP antibody (GTX100573) diluted at 1:2000.



GTX100573 ChIP assay Image

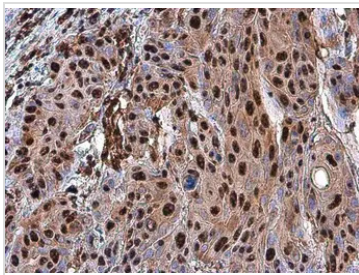
Cross-linked ChIP was performed with Raji chromatin extract and 5 µg of either control rabbit IgG or anti-PARP1 antibody. The precipitated DNA was detected by PCR with primer set targeting to S100A9 promoter.

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.



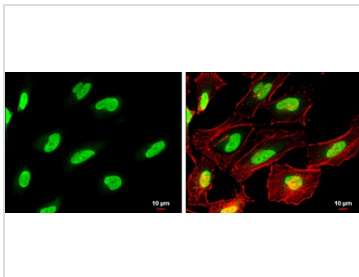
GTX100573 IHC-P Image

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.

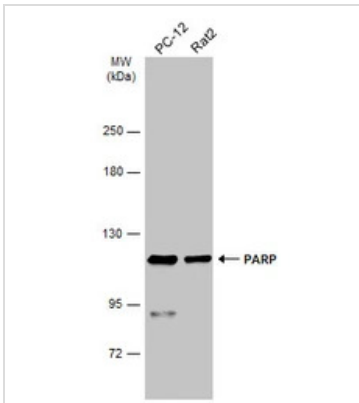
Green: PARP protein stained by PARP antibody (GTX100573) diluted at 1:500.

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

Scale bar = 10 µm.

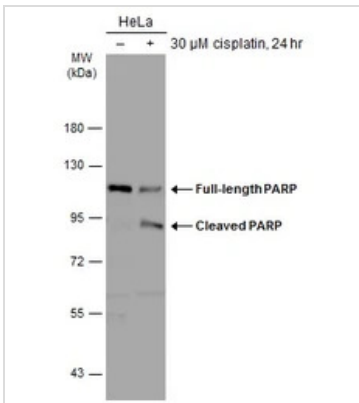


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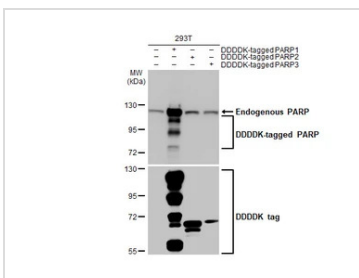
GTX100573 WB Image

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.



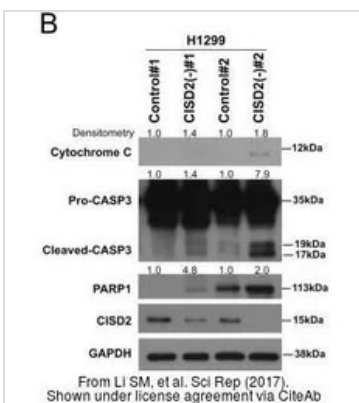
GTX100573 WB Image

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.

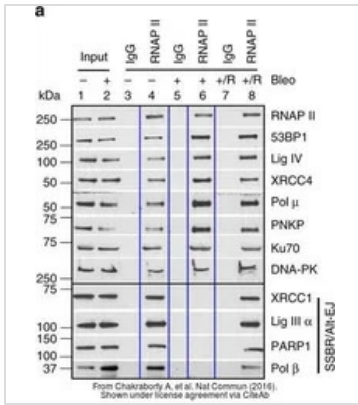


GTX100573 WB Image

The data was published in the journal Sci Rep in 2017. [PMID: 28928421](https://pubmed.ncbi.nlm.nih.gov/28928421/)

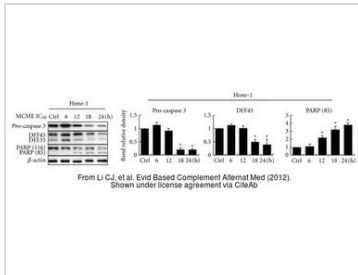


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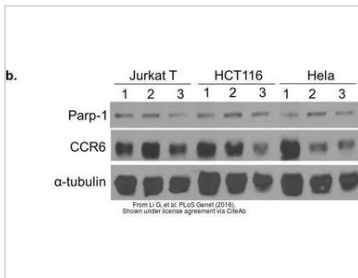
GTx100573 WB Image

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



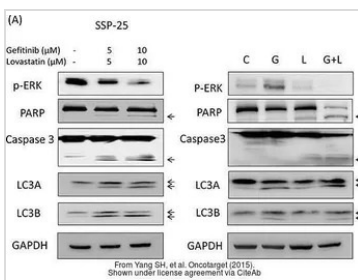
GTx100573 WB Image

The data was published in the journal Evid Based Complement Alternat Med in 2012. [PMID: 23091557](https://pubmed.ncbi.nlm.nih.gov/23091557/)



GTx100573 WB Image

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

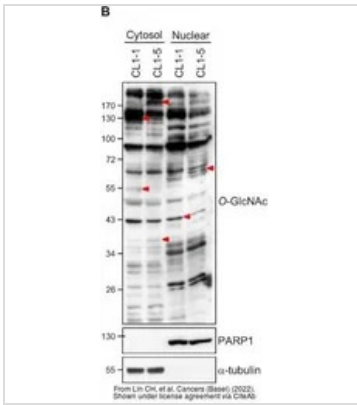


GTx100573 WB Image

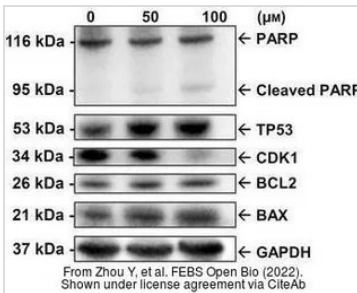
The data was published in the journal Oncotarget in 2015. [PMID: 26160843](https://pubmed.ncbi.nlm.nih.gov/26160843/)



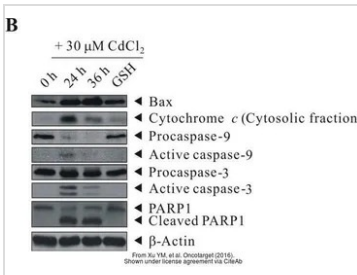
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GTx100573 WB Image

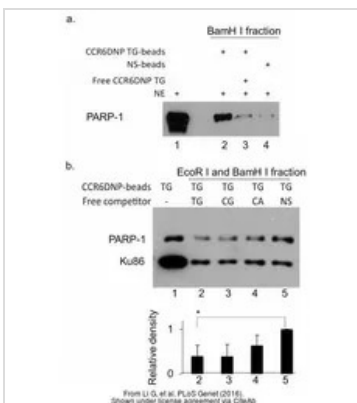
The data was published in the 2022 in Cancers (Basel). [PMID: 35008409](#)


GTx100573 WB Image

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


GTx100573 WB Image

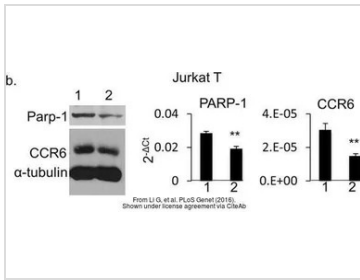
The data was published in the journal Oncotarget in 2016. [PMID: 26716417](#)


GTx100573 WB Image

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

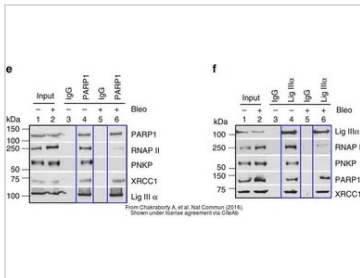


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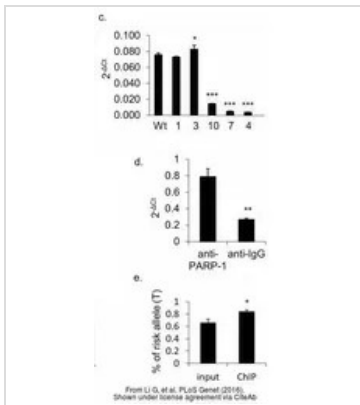
GTX100573 WB Image

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



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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Caspase 3 antibody

Cat. No. GTX110543

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, IHC-P, IHC-Fr, IP, Dot
Reactivity	Human, Mouse, Rat

Reference (130)

★★★★★ Review (9)

Package

100 µl, 25 µl

PRODUCT

Summary

Caspase 3 antibody detects caspase 3 protein, a 32 kDa zymogen (also known as pro-caspase 3) that is cleaved at conserved aspartic residues into 17 kDa and 12 kDa subunits upon activation. The cleaved subunits then form an active heterotetramer by hydrophobic interactions and trigger subsequent caspase cascades to induce the apoptotic phenotype.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:10000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IP	1:100-1:500
Dot	Assay dependent

Not tested in other applications.

Calculated MW 32 kDa. ([Note](#))

Product Note IP/MS validation was supported by references (PMID:30377401)

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	0.15 mg/ml (Please refer to the vial label for the specific concentration.)

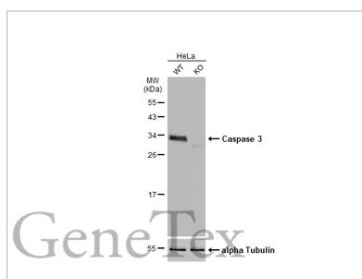


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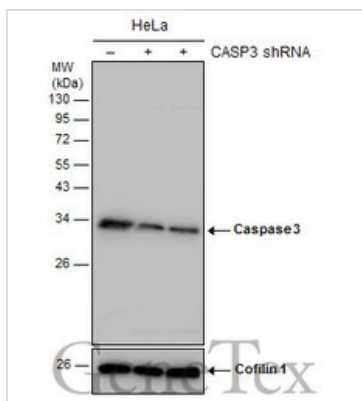
Immunogen	Recombinant protein encompassing a sequence within the center region of human Caspase 3. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic 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



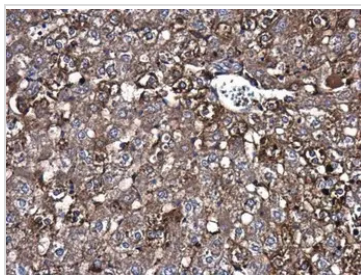
GTX110543 WB Image

Wild-type (WT) and Caspase 3 knockout (KO) HeLa cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX110543 WB Image

Non-transfected (-) and transfected (+) HeLa whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:4000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



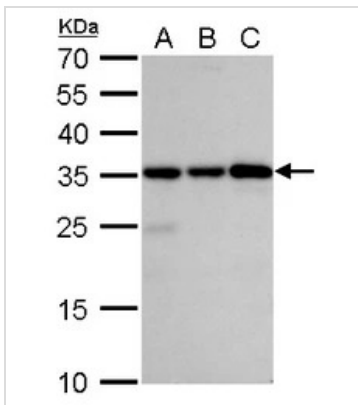
GTX110543 IHC-P Image

Caspase 3 antibody detects Caspase 3 protein at cytoplasm in rat liver by immunohistochemical analysis.
Sample: Paraffin-embedded rat liver.
Caspase 3 antibody (GTX110543) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTx110543 WB Image

Caspase 3 antibody detects Caspase 3 protein by western blot analysis.

A. 30 µg Jurkat whole cell lysate/extract

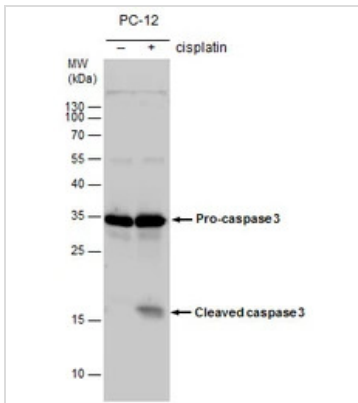
B. 30 µg Raji whole cell lysate/extract

C. 30 µg NCI-H929 whole cell lysate/extract

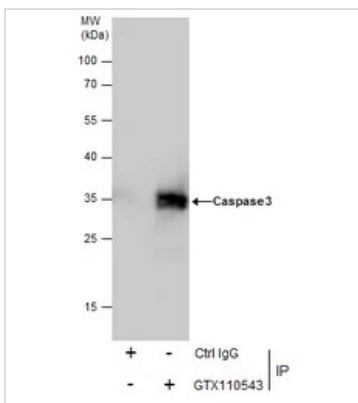
12% SDS-PAGE

Caspase 3 antibody (GTx110543) dilution: 1:5000

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


GTx110543 WB Image

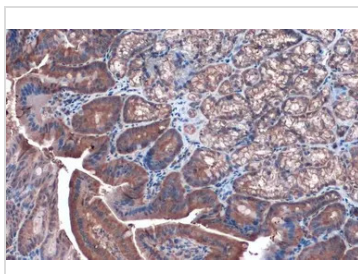
Caspase 3 antibody detects Caspase 3 protein by western blot analysis. Un-treated (-) and treated (+, 30 µM Cisplatin treatment for 24 hrs) PC-12 whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTx110543) diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


GTx110543 IP Image

Immunoprecipitation of Caspase 3 protein from HeLa whole cell extracts using 5 µg of Caspase 3 antibody (GTx110543).

Western blot analysis was performed using Caspase 3 antibody (GTx110543).

EasyBlot anti-Rabbit IgG (GTx221666-01) was used as a secondary reagent.


GTx110543 IHC-P Image

Caspase 3 antibody detects Caspase 3 protein at cytoplasm by immunohistochemical analysis.

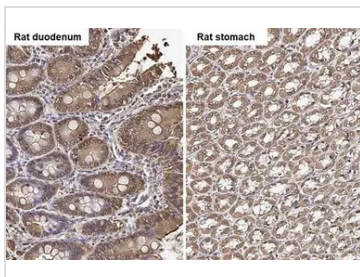
Sample: Paraffin-embedded mouse duodenum.

Caspase 3 stained by Caspase 3 antibody (GTx110543) diluted at 1:1000.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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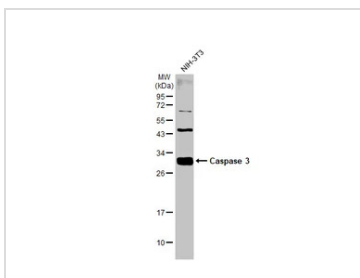
GTX110543 IHC-P Image

Caspase 3 antibody detects Caspase 3 protein by immunohistochemical analysis.

Sample: Paraffin-embedded rat tissues.

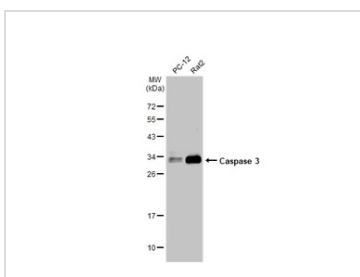
Caspase 3 stained by Caspase 3 antibody (GTX110543) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



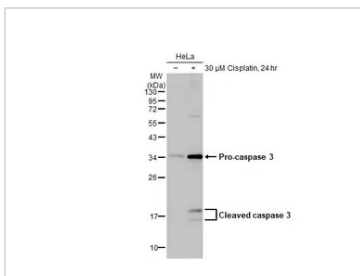
GTX110543 WB Image

Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



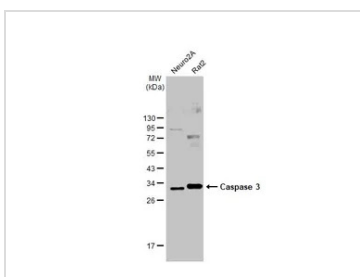
GTX110543 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX110543 WB Image

Untreated (-) and treated (+) HeLa whole cell extract (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

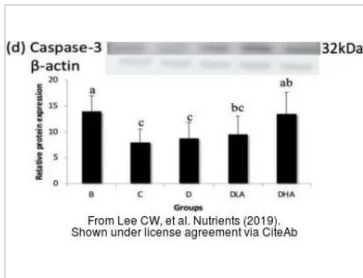


GTX110543 WB Image

Various whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

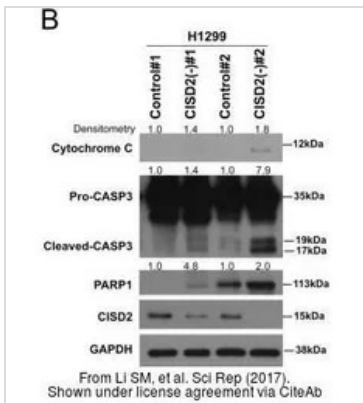


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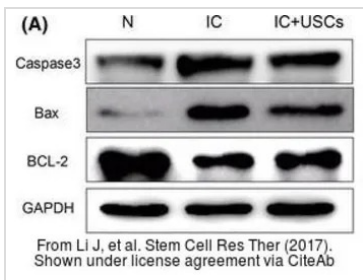
GTx110543 WB Image

The data was published in the journal Nutrients in 2019. [PMID: 31905929](https://pubmed.ncbi.nlm.nih.gov/31905929/)



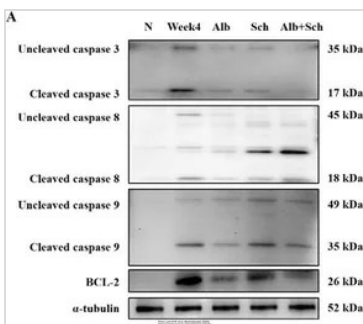
GTx110543 WB Image

The data was published in the journal Sci Rep in 2017. [PMID: 28928421](https://pubmed.ncbi.nlm.nih.gov/28928421/)



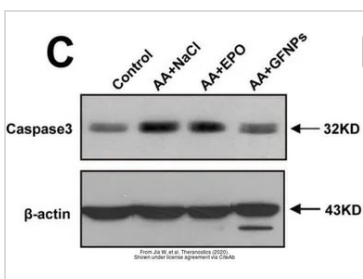
GTx110543 WB Image

The data was published in the journal Stem Cell Res Ther in 2017. [PMID: 28482861](https://pubmed.ncbi.nlm.nih.gov/28482861/)



GTx110543 WB Image

The data was published in the journal Biomolecules in 2020. [PMID: 32635653](https://pubmed.ncbi.nlm.nih.gov/32635653/)

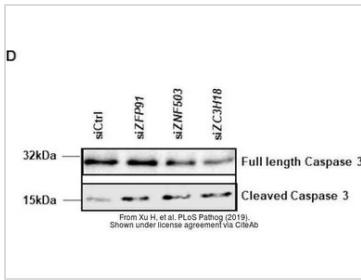


GTx110543 WB Image

The data was published in the 2020 in Theranostics. [PMID: 32550910](https://pubmed.ncbi.nlm.nih.gov/32550910/)

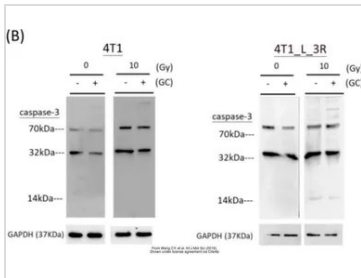


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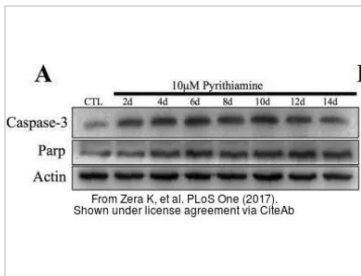
GTx110543 WB Image

The data was published in the 2019 in PLoS Pathog. [PMID: 31841561](#)



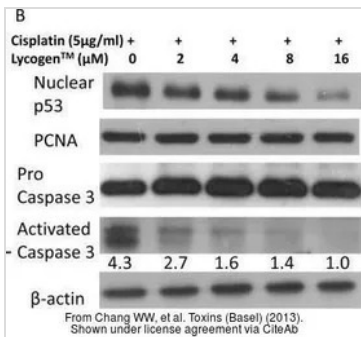
GTx110543 WB Image

The data was published in the 2019 in Int J Mol Sci. [PMID: 31717306](#)



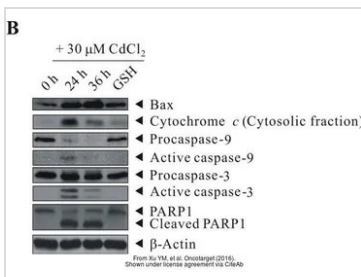
GTx110543 WB Image

The data was published in the journal PLoS One in 2017. [PMID: 29045486](#)



GTx110543 WB Image

The data was published in the journal Toxins (Basel) in 2013. [PMID: 24335753](#)

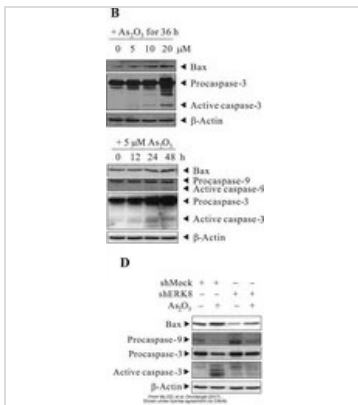


GTx110543 WB Image

The data was published in the journal Oncotarget in 2016. [PMID: 26716417](#)



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GTX110543 WB Image

The data was published in the journal Oncotarget in 2017. [PMID: 28467781](https://pubmed.ncbi.nlm.nih.gov/28467781/)



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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 (496)
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)

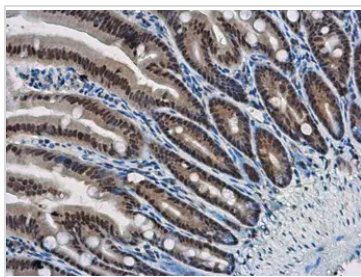
Note

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 IHC-P Image

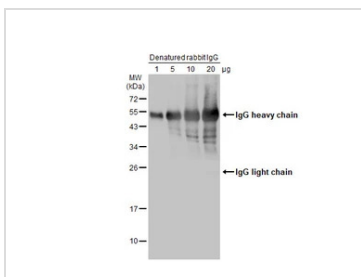
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.

Sample: Paraffin-embedded mouse intestine.

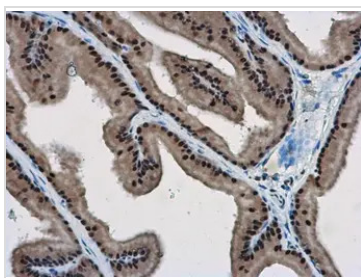
WBP11 antibody (GTx118654) diluted at 1:500.

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

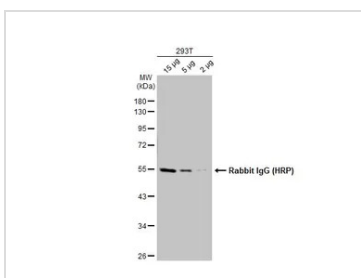
WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.

Sample: Paraffin-embedded rat prostate.

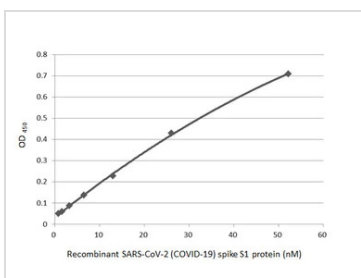
WBP11 antibody (GTx118654) diluted at 1:500.

The signal was developed by Rabbit IgG antibody (HRP) (GTx213110-01).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTx213110-01 WB Image

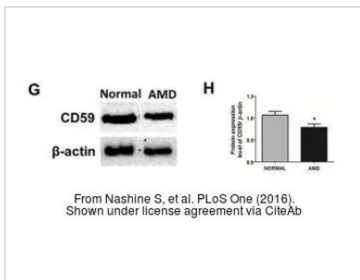
Various whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Rabbit IgG antibody (HRP) (GTx213110-01) diluted at 1:10000.


GTx213110-01 ELISA Image

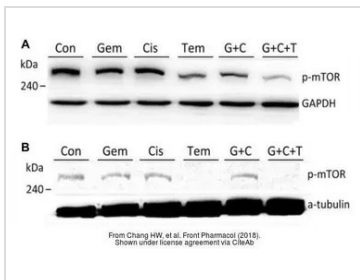
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTx135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTx635671) (1 μg/mL). Goat anti-rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) was used to detect bound primary antibody.



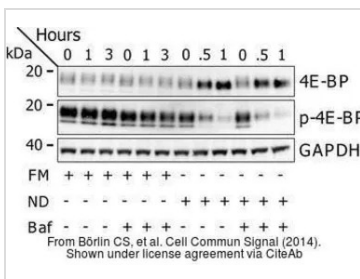
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GTx213110-01 WB Image

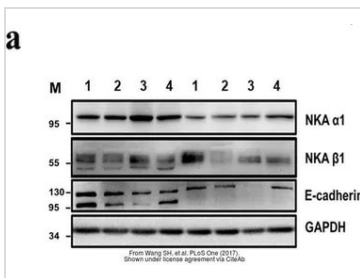
The data was published in the 2016 in PLoS One. [PMID: 27486856](https://pubmed.ncbi.nlm.nih.gov/27486856/)


GTx213110-01 WB Image

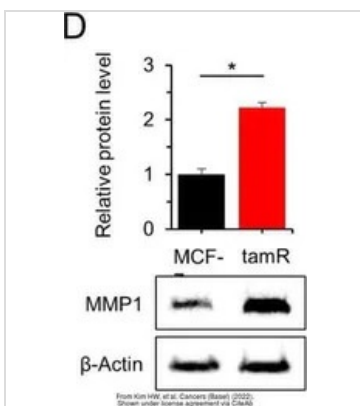
The data was published in the journal Front Pharmacol in 2018. [PMID: 30087612](https://pubmed.ncbi.nlm.nih.gov/30087612/)


GTx213110-01 WB Image

The data was published in the journal Cell Commun Signal in 2014. [PMID: 25214434](https://pubmed.ncbi.nlm.nih.gov/25214434/)


GTx213110-01 WB Image

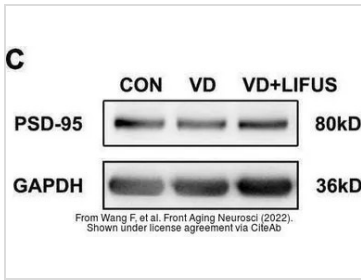
The data was published in the journal PLoS One in 2017. [PMID: 28832634](https://pubmed.ncbi.nlm.nih.gov/28832634/)


GTx213110-01 WB Image

The data was published in the 2022 in Cancers (Basel). [PMID: 35267540](https://pubmed.ncbi.nlm.nih.gov/35267540/)

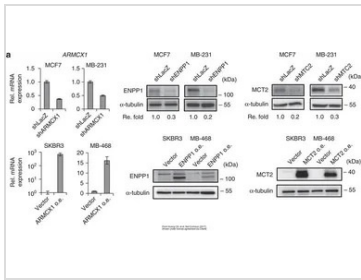


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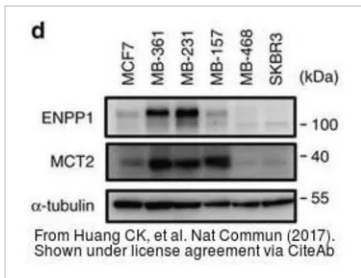
GTx213110-01 WB Image

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



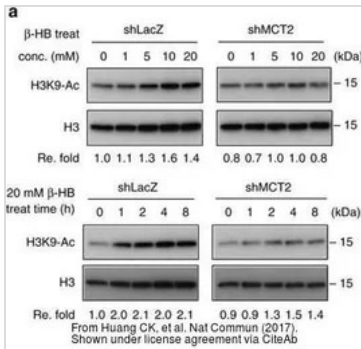
GTx213110-01 WB Image

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



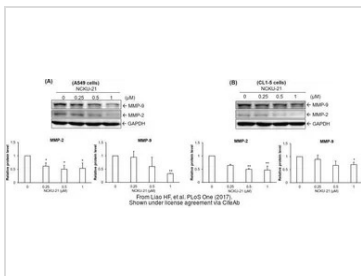
GTx213110-01 WB Image

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



GTx213110-01 WB Image

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

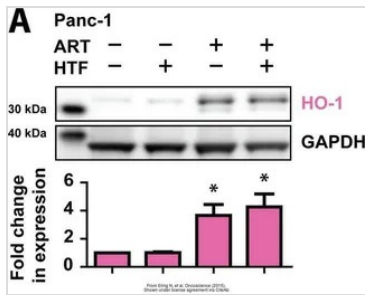


GTx213110-01 WB Image

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

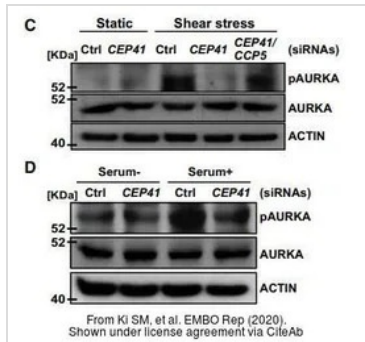


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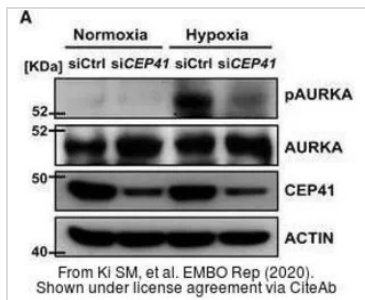
GTx213110-01 WB Image

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



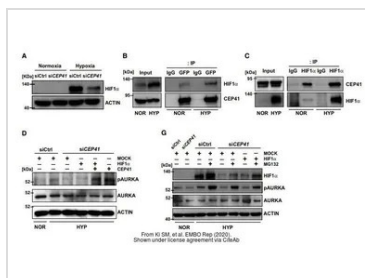
GTx213110-01 WB Image

The data was published in the 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

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