

GTX300011

DSB Damage Recognition Antibody Panel – Signal Amplification

Product Content

Cat No	Product Name	Reactivity	Application	Package
GTX102595	53BP1 antibody [N1], N-term	Human, Mouse	WB, ICC/IF, IHC-P, IHC-Fr	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX628789	Histone H2A.XS139ph (phospho Ser139) antibody [GT2311]	Human, Mouse, Rat	WB, ICC/IF, IHC-P, IP	25 µl
GTX70103	ATM antibody [2C1]	Human, Mouse, Rat, Monkey	WB, ICC/IF, IHC-P, FACS, IP, ELISA, ChIP assay, IHC	25 µl
GTX70113	BRCA1 antibody [8F7]	Human, Mouse	WB, IHC-P, IP, IHC	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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53BP1 antibody [N1], N-term

Cat. No. GTX102595

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

Reference (3)

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-Fr	Assay dependent

Not tested in other applications.

Calculated MW 214 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	0.1M Tris, 0.1M Glycine, 10% 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 N-terminus region of human 53BP1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

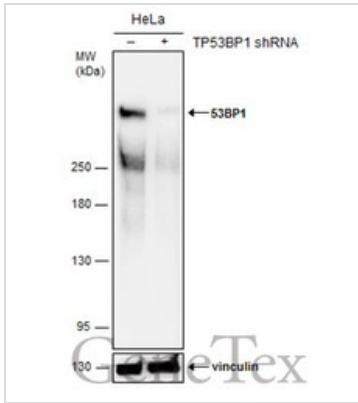


For full product information, images and publications, please visit our [website](#).

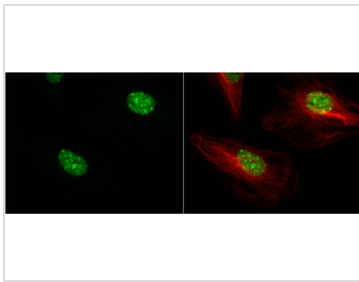
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Note

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DATA IMAGES

GTx102595 WB Image

Non-transfected (–) and transfected (+) HeLa whole cell extracts (50 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with 53BP1 antibody [N1], N-term (GTx102595) diluted at 1:500.

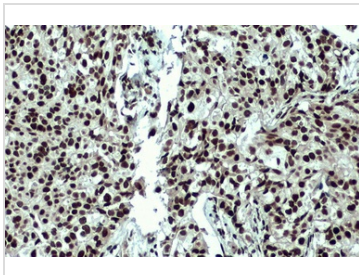

GTx102595 ICC/IF Image

53BP1 antibody [N1], N-term detects 53BP1 protein at nucleus by immunofluorescent analysis.

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

Green: 53BP1 protein stained by 53BP1 antibody [N1], N-term (GTx102595) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] (GTx11304) diluted at 1:10000.


GTx102595 IHC-P Image

53BP1 antibody [N1], N-term detects 53BP1 protein at nucleus by immunohistochemical analysis.

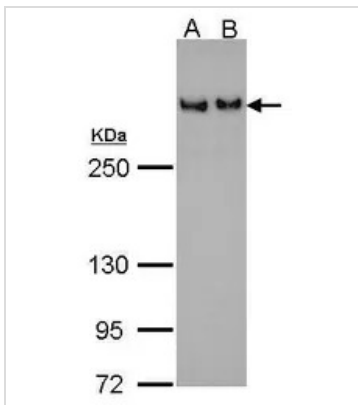
Sample: Paraffin-embedded human breast carcinoma.

53BP1 stained by 53BP1 antibody [N1], N-term (GTx102595) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTX102595 WB Image

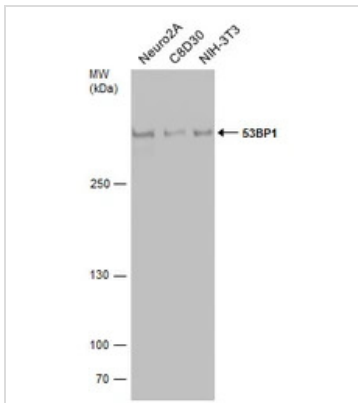
53BP1 antibody [N1], N-term detects TP53BP1 protein by Western blot analysis.

A. 30 µg 293T whole cell lysate/extract

B. 30 µg HeLa whole cell lysate/extract

5 % SDS-PAGE

53BP1 antibody [N1], N-term (GTX102595) dilution: 1:500



GTX102595 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with 53BP1 antibody [N1], N-term (GTX102595) diluted at 1:500.



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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)

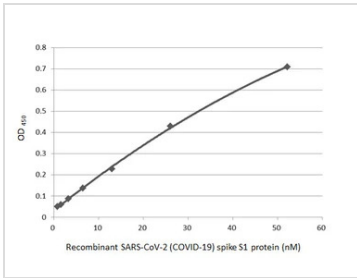
Note

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

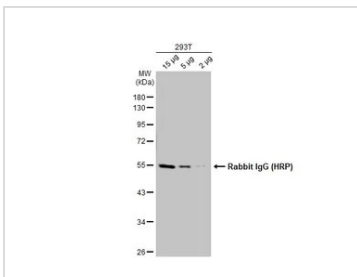
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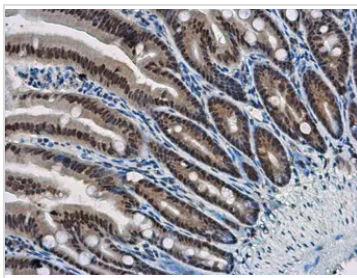
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DATA IMAGES

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 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

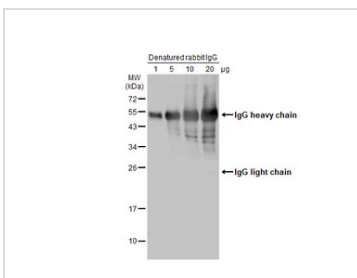
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.

Sample: Paraffin-embedded mouse intestine.

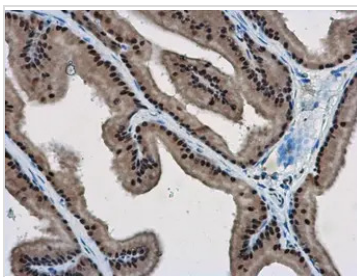
WBP11 antibody (GTX118654) diluted at 1:500.

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.

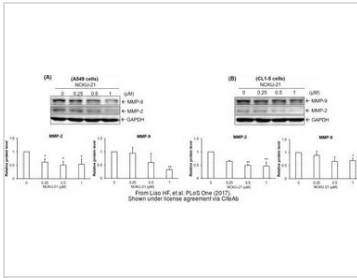
WBP11 antibody (GTX118654) diluted at 1:500.

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

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

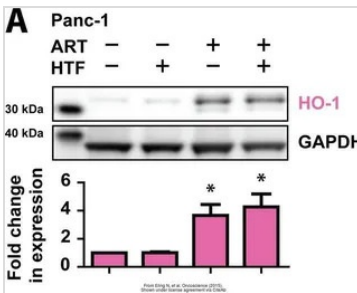


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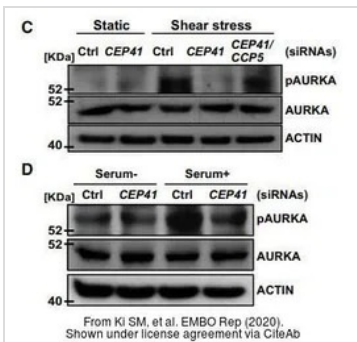
GTx213110-01 WB Image

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



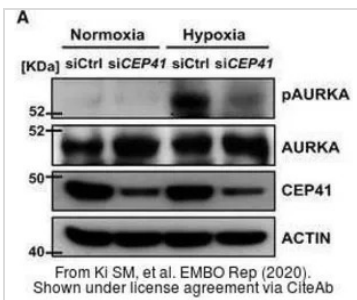
GTx213110-01 WB Image

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



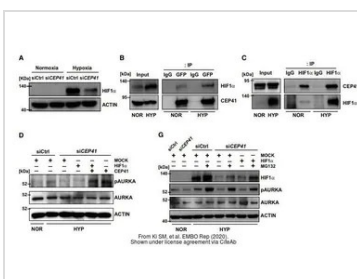
GTx213110-01 WB Image

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



GTx213110-01 WB Image

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

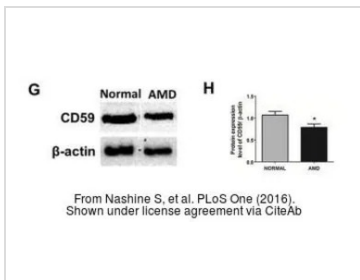


GTx213110-01 WB Image

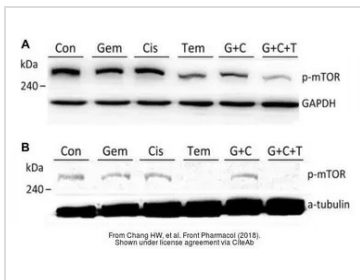
The data was published in the journal EMBO Rep in 2020. [PMID: 31885126](#)



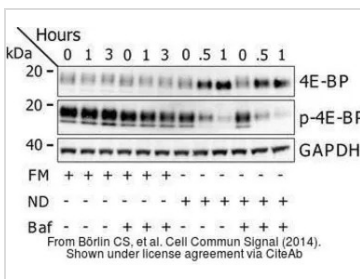
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GTx213110-01 WB Image

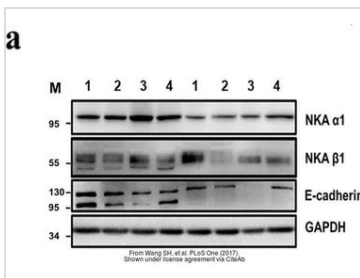
The data was published in the 2016 in PLoS One. [PMID: 27486856](https://pubmed.ncbi.nlm.nih.gov/27486856/)


GTx213110-01 WB Image

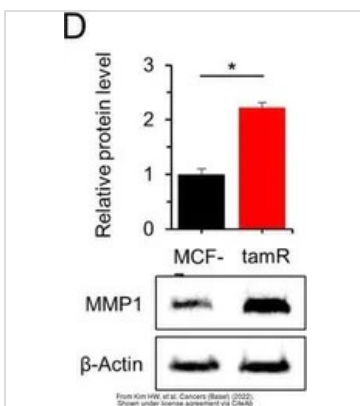
The data was published in the journal Front Pharmacol in 2018. [PMID: 30087612](https://pubmed.ncbi.nlm.nih.gov/30087612/)


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

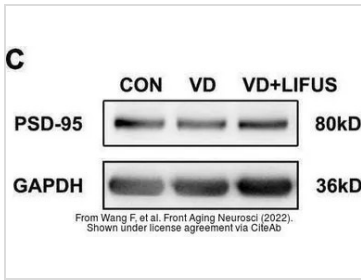
The data was published in the journal PLoS One in 2017. [PMID: 28832634](https://pubmed.ncbi.nlm.nih.gov/28832634/)


GTx213110-01 WB Image

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

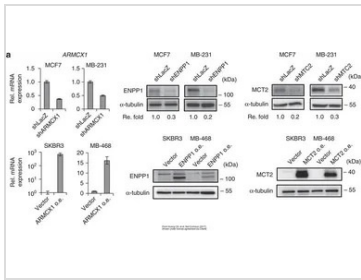


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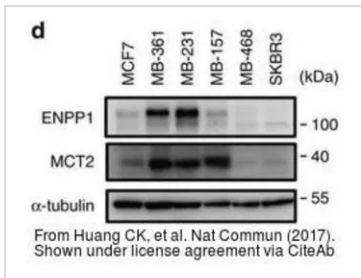
GTx213110-01 WB Image

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



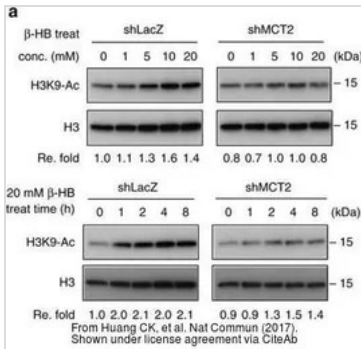
GTx213110-01 WB Image

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](#)



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Histone H2A.XS139ph (phospho Ser139) antibody [GT2311]

Cat. No. GTX628789

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat

Reference (18)

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	1:100-1:500

Not tested in other applications.

Calculated MW 15 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.92 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Ser139 of human Histone H2A.X. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

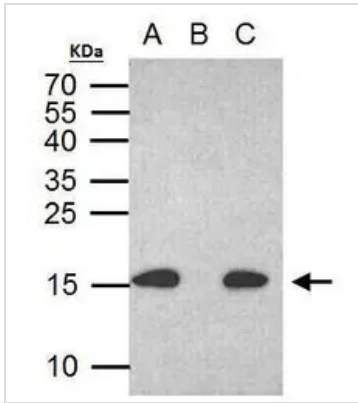


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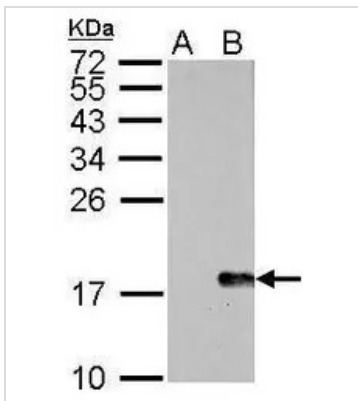
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Note

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DATA IMAGES

GTX628789 IP Image

Histone H2A.X (phospho S139) antibody immunoprecipitates histone H2A.X (phospho S139) protein in IP experiments. IP Sample: 500 µg HCT116 with CPT 30 µM treatment 24 hr whole cell lysate/extract A. 30 µg HCT116 whole with CPT 30 uM treatment cell lysate/extract B. Control with 2 µg of preimmune mouse IgG C. Immunoprecipitation of histone H2A.X (phospho S139) protein by 2 µg histone H2A.X (phospho S139) antibody (GTX628789) 15% SDS-PAGE The immunoprecipitated histone H2A.X (phospho S139) protein was detected by Human histone H2A.X (phospho S139) antibody (GTX628789) diluted at 1:1000. EasyBlot anti-mouse IgG (GTX221667-01) was used as a secondary reagent.


GTX628789 WB Image

Histone H2A.X (phospho S139) antibody [GT2311] detects H2AFX protein by western blot analysis.

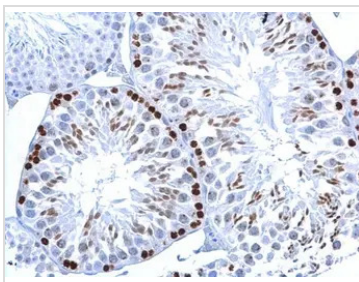
A. 30 µg NIH-3T3 whole cell lysate/extract (untreated)

B. 30 µg NIH-3T3 whole cell lysate/extract (30µM cisplatin treatment for 24hr)

15% SDS-PAGE

Histone H2A.X (phospho S139) antibody [GT2311] (GTX628789) dilution: 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


GTX628789 IHC-P Image

Histone H2A.XS139ph (phospho Ser139) antibody [GT2311] detects Histone H2A.XS139ph (phospho Ser139) protein at nucleus on mouse testis by immunohistochemical analysis.

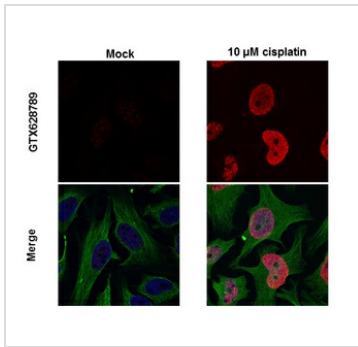
Sample: Paraffin-embedded mouse testis.

Histone H2A.XS139ph (phospho Ser139) antibody [GT2311] (GTX628789) dilution: 1:500.

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



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GTx628789 ICC/IF Image

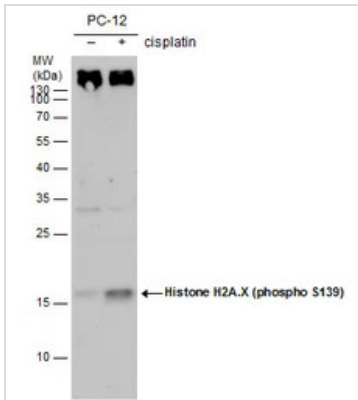
Histone H2A.X (phospho Ser139) antibody detects H2AFX protein at nuclear by confocal immunofluorescent analysis.

Sample: 10μM Cisplatin treated (right) or untreated (left) HeLa cells were fixed in 4% paraformaldehyde for 15 min.

Red: H2A.X protein stained by Histone H2A.X (phospho Ser139) antibody (GTx628789) diluted at 1:500.

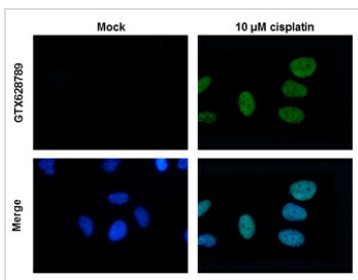
Green: alpha Tubulin antibody (GTx102078) diluted at 1:1000.

Blue: Hoechst 33342 staining. [Images captured by Olympus FV1000 Confocal Laser Scanning Microscope]



GTx628789 WB Image

Histone H2A.X (phospho S139) antibody [GT2311] detects Histone H2A.X (phospho S139) [GT2311] 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 Histone H2A.X (phospho S139) antibody [GT2311] (GTx628789) diluted by 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



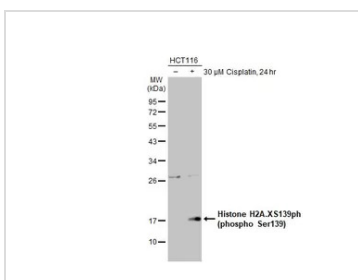
GTx628789 ICC/IF Image

Histone H2A.X antibody detects H2AFX protein at nuclear by immunofluorescent analysis. Sample: 10μM Cisplatin treated (right) or untreated (left) HeLa cells were fixed in 4% paraformaldehyde for 15 min. Green: H2AFX protein stained by Histone H2A.X antibody (GTx628789) diluted at 1:500. Blue: Hoechst 33342 staining.



GTx628789 WB Image

Histone H2A.XS139ph (phospho Ser139) antibody detects Histone H2A.XS139ph (phospho Ser139) protein by western blot analysis. Un-treated (-) and treated (+, 50 J/m² UV treatment) U2OS whole cell extracts (16 μg) were separated by 12%-15% SDS-PAGE, and the membrane was blotted with Histone H2A.XS139ph (phospho Ser139) antibody (GTx628789) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.

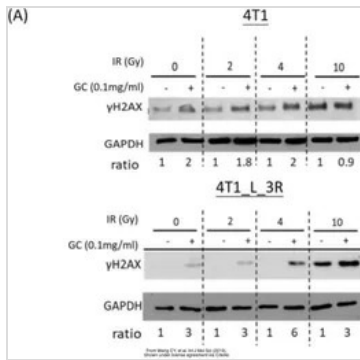


GTx628789 WB Image

Untreated (-) and treated (+) HCT116 whole cell extracts (30 μg) were separated by 12% SDS-PAGE, and the membrane was blotted with Histone H2A.XS139ph (phospho Ser139) antibody [GT2311] (GTx628789) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

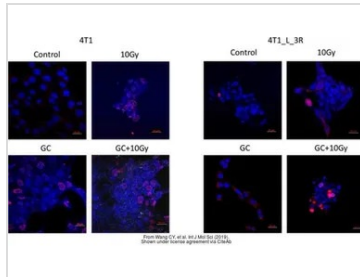


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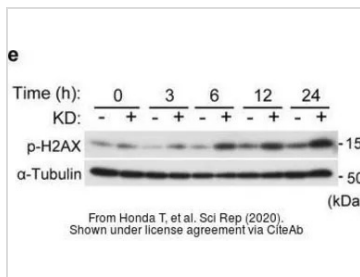
GTx628789 WB Image

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



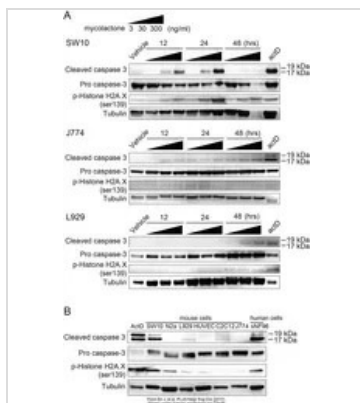
GTx628789 ICC/IF Image

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



GTx628789 WB Image

The data was published in the journal Sci Rep in 2020. [PMID: 31980707](#)



GTx628789 WB Image

The data was published in the journal PLoS Negl Trop Dis in 2017. [PMID: 28783752](#)



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GTx628789 WB Image

The data was published in the journal Front Physiol in 2019. [PMID: 31681015](https://pubmed.ncbi.nlm.nih.gov/31681015/)



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ATM antibody [2C1]

Cat. No. GTX70103

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-P, FACS, IP, ELISA, ChIP assay, IHC
Reactivity	Human, Mouse, Rat, Monkey

Reference (231)
Package
100 µl

PRODUCT

Summary

ATM antibody [2C1] is a mouse monoclonal antibody developed by Dr. Eva Lee's lab at the University of Texas Health Science Center at San Antonio (PMID: 8969240). It is a well-validated and highly cited reagent to detect ATM protein, which is a nuclear serine/threonine kinase that plays a pivotal role in DNA damage sensing and repair.

APPLICATION

Application Note

Recommended Starting Dilutions:

For WB: Use at a dilution of 1:500-1:3000. Predicted 350 kDa.

For IHC-P: Use at 5 µg/mL. Antigen retrieval in Citrate buffer is recommended.

For IP: Use at a concentration of 1-10 µg/mL.

For ICC/IF: Please refer to the publication by Harry Scherthan, et.al., 2000 and Yiyong Liu, et.al., 2006.

For FACS: Use at an dependent assay. Optimal dilutions/concentrations should be determined by the researcher.

Calculated MW 351 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 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 expressed in E. coli corresponding to amino acids 2577-3056.
Purification	Purified by antigen-affinity chromatography. From tissue culture supernatant
Conjugation	Unconjugated

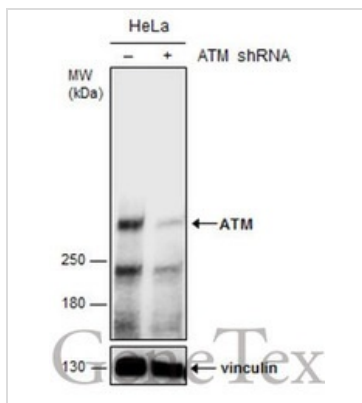


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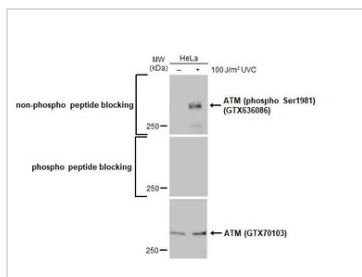
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Note

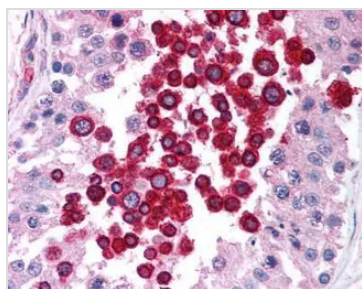
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx70103 WB Image

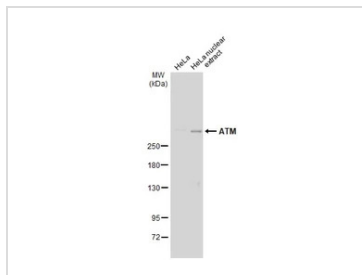
Non-transfected (–) and transfected (+) HeLa whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTx70103) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


GTx70103 WB Image

Untreated (–) and treated (+) 293T whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTx70103) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.


GTx70103 IHC-P Image

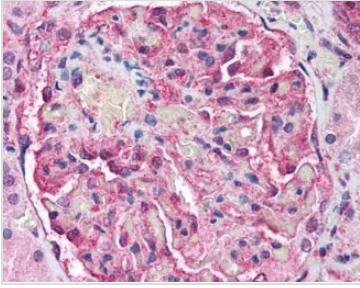
Human Testis (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.


GTx70103 WB Image

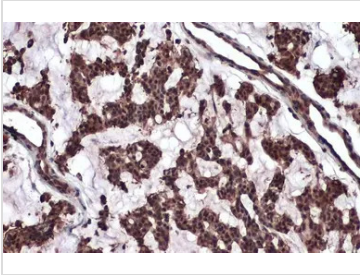
HeLa whole cell extract and nuclear extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTx70103) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



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GTX70103 IHC-P Image

Human Kidney (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

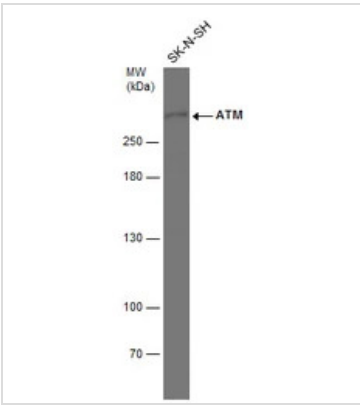

GTX70103 IHC-P Image

ATM antibody [2C1] detects ATM protein at nucleus by immunohistochemical analysis.

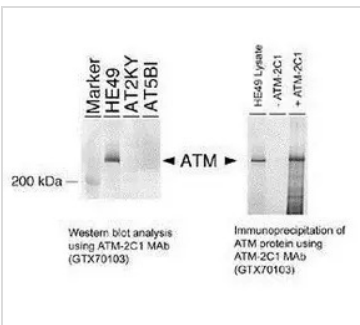
Sample: Paraffin-embedded human breast carcinoma.

ATM stained by ATM antibody [2C1] (GTX70103) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTX70103 WB Image

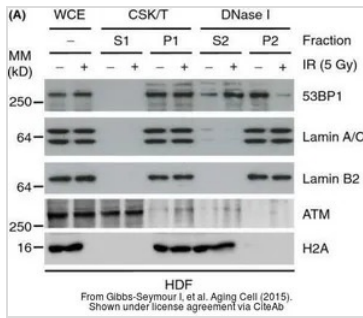
Whole cell extract (30 µg) was separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTX70103) diluted at 1:1000.


GTX70103 WB Image

Detection of human ATM protein using anti-ATM 2C1 monoclonal antibody (GTX70103) by western blot or immunoprecipitation.

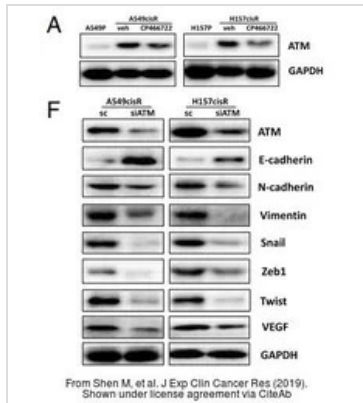


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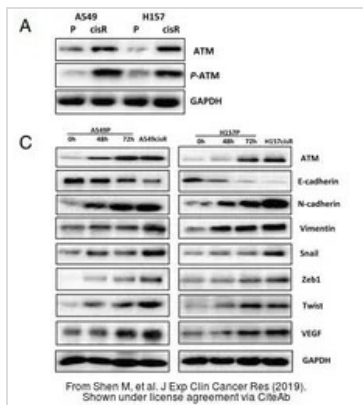
GTx70103 WB Image

The data was published in the journal Aging Cell in 2015. [PMID: 25645366](#)



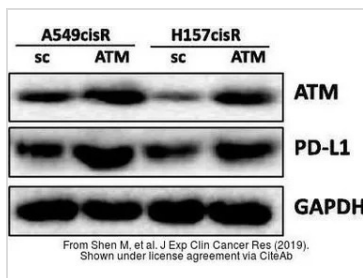
GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](#)



GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](#)

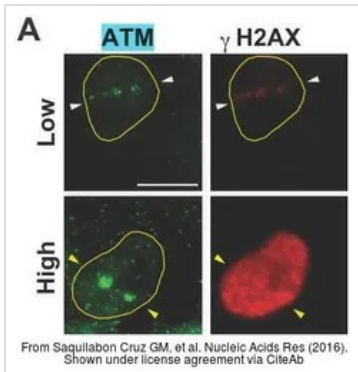


GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](#)

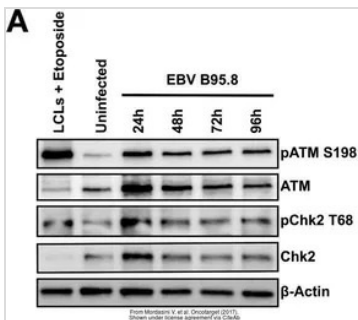


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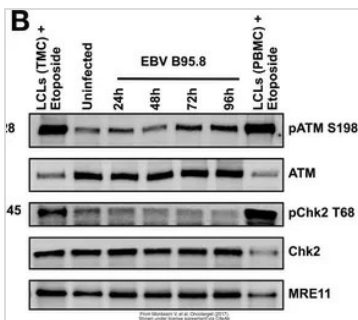
GTx70103 ICC/IF Image

The data was published in the journal Nucleic Acids Res in 2016. [PMID: 26424850](https://pubmed.ncbi.nlm.nih.gov/26424850/)



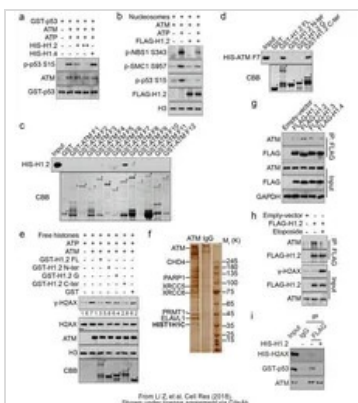
GTx70103 WB Image

The data was published in the journal Oncotarget in 2017. [PMID: 28031537](https://pubmed.ncbi.nlm.nih.gov/28031537/)



GTx70103 WB Image

The data was published in the journal Oncotarget in 2017. [PMID: 28031537](https://pubmed.ncbi.nlm.nih.gov/28031537/)

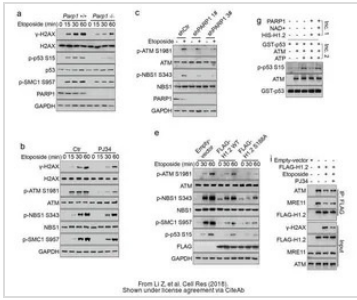


GTx70103 WB IP Image

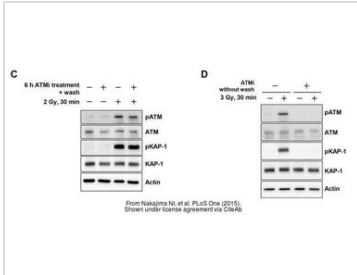
The data was published in the journal Cell Res in 2018. [PMID: 29844578](https://pubmed.ncbi.nlm.nih.gov/29844578/)



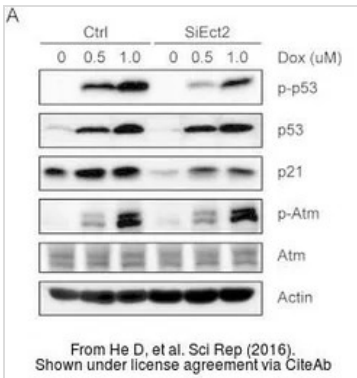
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GTx70103 WB Image

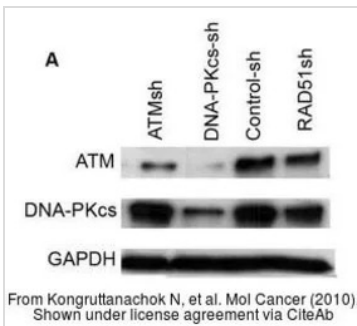
The data was published in the journal Cell Res in 2018. [PMID: 29844578](#)


GTx70103 WB Image

The data was published in the journal PLoS One in 2015. [PMID: 25826455](#)


GTx70103 WB Image

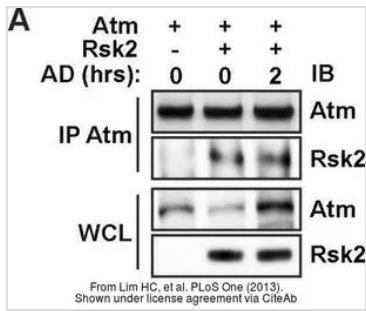
The data was published in the journal Sci Rep in 2016. [PMID: 27074761](#)


GTx70103 WB Image

The data was published in the journal Mol Cancer in 2010. [PMID: 20356374](#)

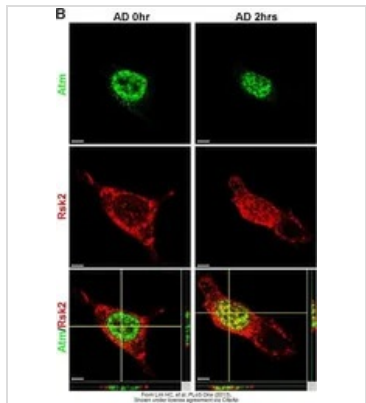


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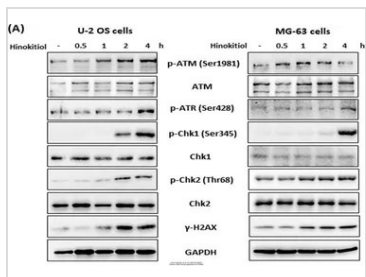
GTx70103 WB IP Image

The data was published in the journal PLoS One in 2013. [PMID: 24086335](https://pubmed.ncbi.nlm.nih.gov/24086335/)



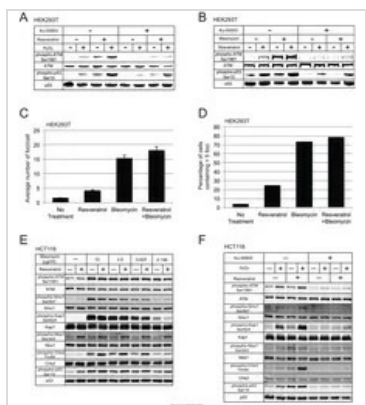
GTx70103 ICC/IF Image

The data was published in the journal PLoS One in 2013. [PMID: 24086335](https://pubmed.ncbi.nlm.nih.gov/24086335/)



GTx70103 WB Image

The data was published in the 2022 in Int J Mol Sci. [PMID: 35163553](https://pubmed.ncbi.nlm.nih.gov/35163553/)

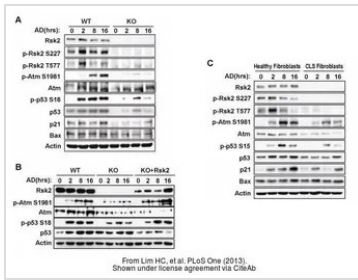


GTx70103 WB Image

The data was published in the journal PLoS One in 2014. [PMID: 24933654](https://pubmed.ncbi.nlm.nih.gov/24933654/)

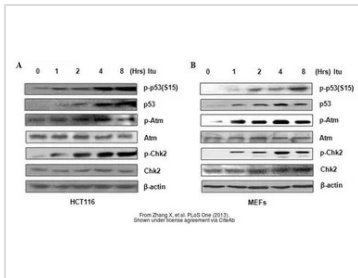


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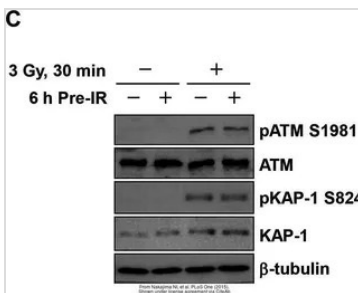
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The data was published in the journal PLoS One in 2013. [PMID: 24086335](#)



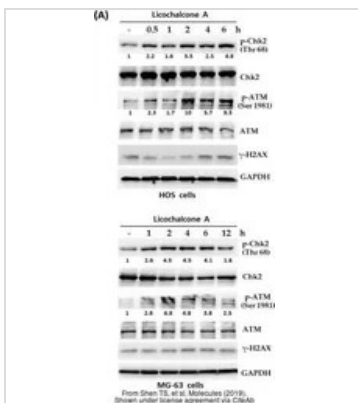
GTx70103 WB Image

The data was published in the journal PLoS One in 2013. [PMID: 23667485](#)



GTx70103 WB Image

The data was published in the journal PLoS One in 2015. [PMID: 25826455](#)

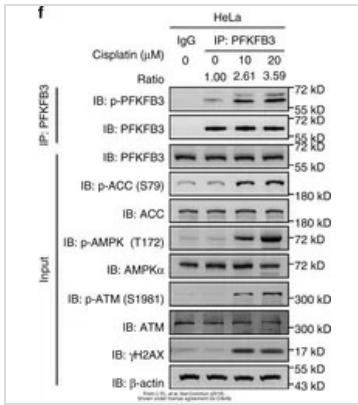


GTx70103 WB Image

The data was published in the journal Molecules in 2019. [PMID: 31269698](#)

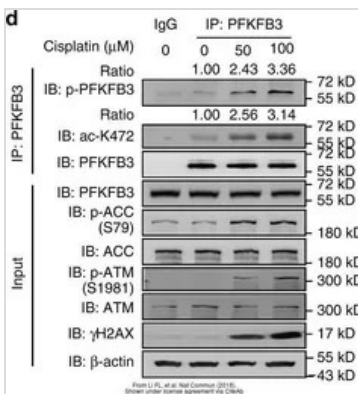


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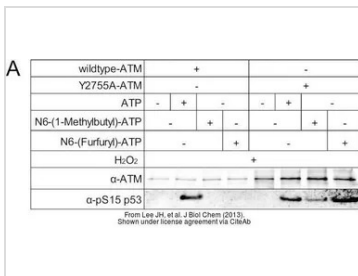
GTx70103 WB Image

The data was published in the journal Nat Commun in 2018.[PMID: 29410405](#)



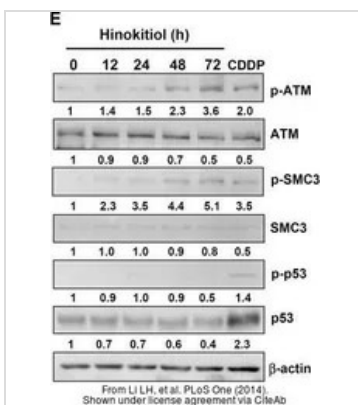
GTx70103 WB Image

The data was published in the journal Nat Commun in 2018.[PMID: 29410405](#)



GTx70103 WB Image

The data was published in the journal J Biol Chem in 2013.[PMID: 23525106](#)



GTx70103 WB Image

The data was published in the journal PLoS One in 2014.[PMID: 25105411](#)



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BRCA1 antibody [8F7]

Cat. No. GTX70113

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, IHC-P, IP, IHC
Reactivity	Human, Mouse

Reference (15)

Package

100 µl

APPLICATION

Application Note

For IHC-P: Use at an assay dependent dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol (0.1 M citrate buffer at 95C in water bath for 20 min). Avoid nonspecific binding by incubating in normal rabbit anti-mouse serum. Incubate primary antibody overnight and use a biotin-streptavidin amplification kit. Block endogenous peroxidase with 0.3% H₂O₂ for 30 minutes. For IP: Use at an assay dependent dilution. For WB: 1:500-1:3000. This antibody recognizes full-length BRCA1, a 220-kDa nuclear phosphoprotein. Optimal dilutions/concentrations should be determined by the researcher.

Calculated MW 208 kDa. ([Note](#))

Product Note This antibody recognizes full-length BRCA1, a 220-kDa nuclear phosphoprotein. Mutations in this tumor suppressor gene greatly increase the risk of breast cancer.

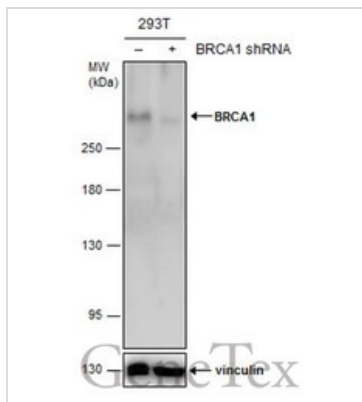
PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 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	Protein fragment expressed in E. coli corresponding to amino acids 341-748.
Purification	Protein G purified
Conjugation	Unconjugated
Note	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>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.</p>



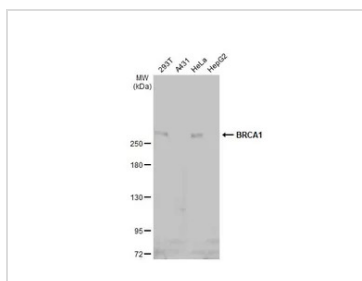
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DATA IMAGES



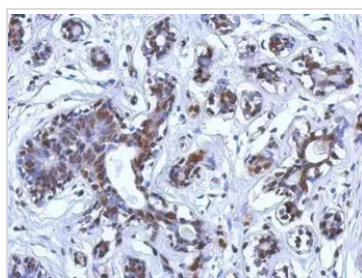
GTX70113 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [8F7] (GTX70113) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



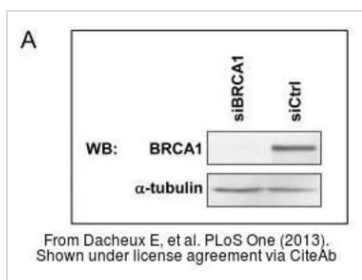
GTX70113 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [8F7] (GTX70113) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX70113 IHC-P Image

Immunohistochemical analysis of paraffin-embedded Breast ca, using BRCA1(GTX70113) antibody at 1:200 dilution.

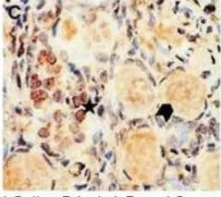


GTX70113 WB Image

The data was published in the journal PLoS One in 2013. [PMID: 23805307](https://pubmed.ncbi.nlm.nih.gov/23805307/)



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from Bernard-Gallon DJ, et al. Breast Cancer Res (2001)
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GTx70113 IHC-P Image

The data was published in the journal Breast Cancer Res in 2001. [PMID: 11250747](#)



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