

GTX300053

ATM signaling pathway Antibody Panel (ATM, ATR, p53, BRCA1, CtIP, CHK1, CHK2, MDM2)

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX100531	MDM2 antibody	Human, Mouse	WB, ICC/IF, IHC-P, IP, ChIP assay	25 µl
GTX108857	CtIP antibody [C1C3]	Human	WB	25 µl
GTX213111-01	Goat Anti-Mouse IgG antibody (HRP)	Mouse	WB, IHC-P, ELISA, IHC	25 µl
GTX70103	ATM antibody [2C1]	Human, Mouse, Rat, Monkey	WB, ICC/IF, IHC-P, FCM, IP, ELISA, ChIP assay, IHC	25 µl
GTX70109	ATR antibody [2B5]	Human, Mouse	WB, ICC/IF, IP, Functional Assay	25 µl
GTX70111	BRCA1 antibody [17F8] - ChIP grade	Human, Mouse	WB, ICC/IF, IHC-P, IP, ELISA, ChIP assay, IHC	25 µl
GTX70214	p53 antibody [DO1]	Human, Mouse	WB, ICC/IF, IHC-P, IHC-Fr, FCM, IP, ELISA, IHC-P (cell pellet)	25 µl
GTX70295	Chk2 antibody [8F12]	Human, Mouse	WB, ICC/IF	25 µl
GTX70303	Chk1 antibody [6F5]	Human	WB, ICC/IF	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](#).

MDM2 antibody

Cat. No. GTX100531

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

References (11)

★★★★★ Review (1)

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
ChIP assay	Assay dependent

Not tested in other applications.

Observed MW (kDa) 72-95 kDa.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol; 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	0.25 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human MDM2. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



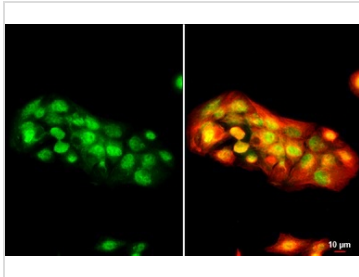
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DATA IMAGES

GTXT100531 ICC/IF Image

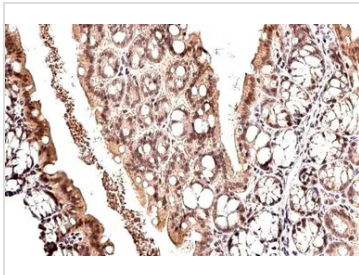
MDM2 antibody detects MDM2 protein at cytoplasm and nucleus by immunofluorescent analysis.

Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: MDM2 stained by MDM2 antibody (GTXT100531) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTXT628802) diluted at 1:1000.

Scale bar= 10µm.

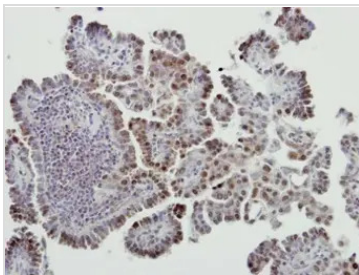

GTXT100531 IHC-P Image

MDM2 antibody detects MDM2 protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded mouse colon.

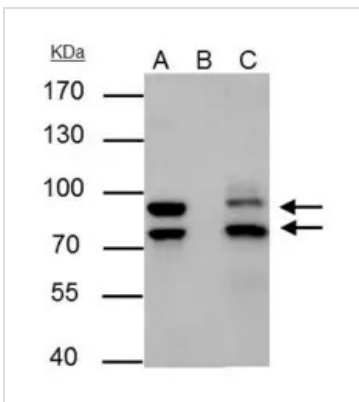
MDM2 stained by MDM2 antibody (GTXT100531) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTXT100531 IHC-P Image

Immunohistochemical analysis of paraffin-embedded human lung cancer, using MDM2(GTXT100531) antibody at 1:500 dilution.

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


GTXT100531 IP Image

MDM2 antibody immunoprecipitates MDM2 protein in IP experiments.

IP samples: Jurkat whole cell extract

A. 30 µg Jurkat cell whole cell extract

B. Control with 4 µg of preimmune Rabbit IgG

C. Immunoprecipitation of MDM2 protein by 4 µg MDM2 antibody (GTXT100531)

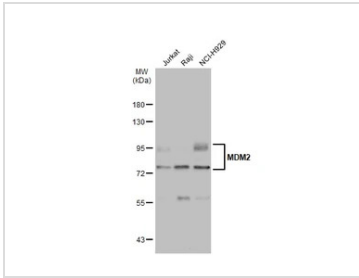
7.5 % SDS-PAGE

The immunoprecipitated MDM2 protein was detected by MDM2 antibody (GTXT100531) diluted at 1:500.

[EasyBlot anti-rabbit IgG (GTXT221666-01) was used as a secondary reagent]

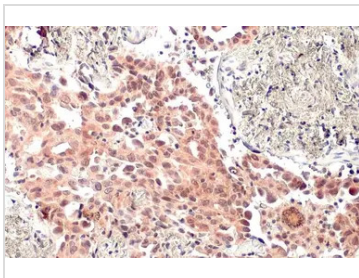


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GTX100531 WB Image

Various whole cell extracts (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2 antibody (GTX100531) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



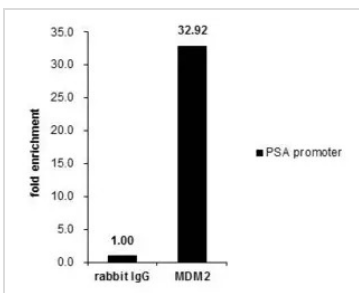
GTX100531 IHC-P Image

MDM2 antibody detects MDM2 protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human lung cancer.

MDM2 stained by MDM2 antibody (GTX100531) diluted at 1:500.

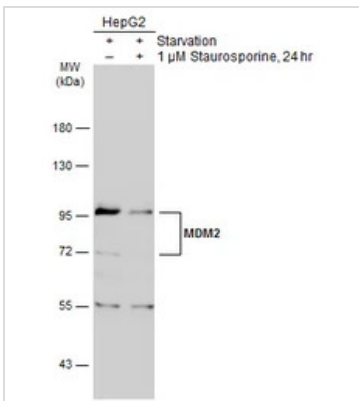
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX100531 ChIP assay Image

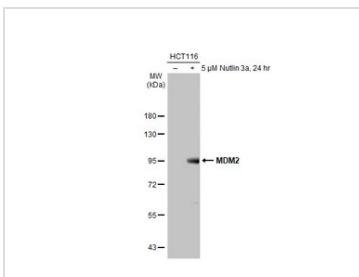
Cross-linked ChIP was performed with PC-3 chromatin extract and 5 μg of either control rabbit IgG or anti-MDM2 antibody. The precipitated DNA was detected by PCR with primer set targeting to PSA promoter.

ChIP experiment and primer designs are based on [Nucleic Acids Res. 2005 Jan 7;33\(1\):13-26](#).



GTX100531 WB Image

Untreated (-) and treated (+) HepG2 whole cell extracts (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2 antibody (GTX100531) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100531 WB Image

Untreated (-) and treated (+) HCT116 whole cell extracts (30 μg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MDM2 antibody (GTX100531) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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CtIP antibody [C1C3]

Cat. No. GTX108857

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB
Reactivity	Human

References (1)

★ ★ ★ ★ ★ Review (1)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
Not tested in other applications.	

Calculated MW 102 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 center region of human CtIP. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

Note

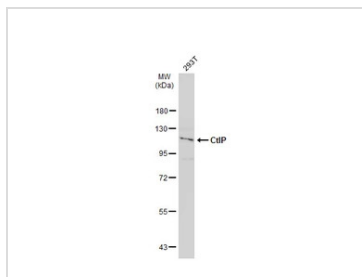
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DATA IMAGES



GTX108857 WB Image

Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with CtlP antibody [C1C3] (GTX108857) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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Goat Anti-Mouse IgG antibody (HRP)

Cat. No. GTX213111-01

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

References (465)

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
IHC	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	0.78 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Highly purified whole mouse IgG
Purification	Purified by antigen-affinity chromatography.
Conjugation	Horseradish peroxidase(HRP)

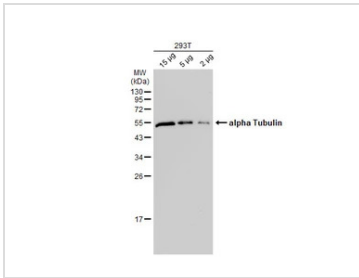
Note

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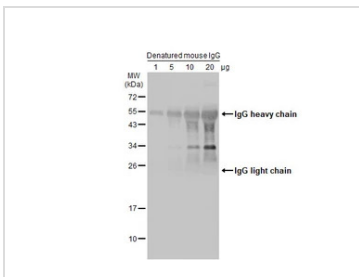
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DATA IMAGES



GTX213111-01 WB Image

Various whole cell extracts were separated by 12% SDS-PAGE, and the membrane was blotted with alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



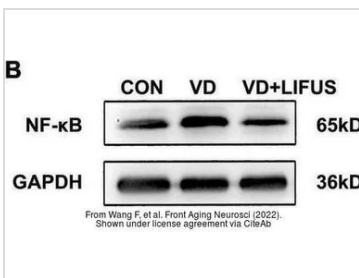
GTX213111-01 WB Image

Various amounts of denatured mouse IgG protein were separated by 12% SDS-PAGE, and the membrane was blotted with HRP-conjugated anti-mouse IgG antibody (GTX213111-01) diluted at 1:5000.



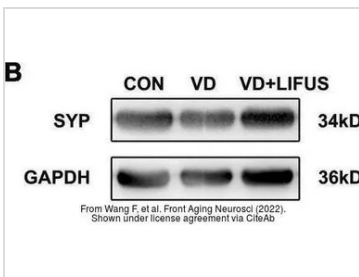
GTX213111-01 IHC-P Image

E2F1 antibody [16G7] detects E2F1 protein at nucleus in mouse cervix by immunohistochemical analysis. Sample: Paraffin-embedded mouse cervix. E2F1 antibody [16G7] (GTX70163) diluted at 1:500. The signal was developed by Mouse IgG antibody (HRP) (GTX213111-01). Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX213111-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](https://doi.org/10.3389/fnagi.2022.852493)

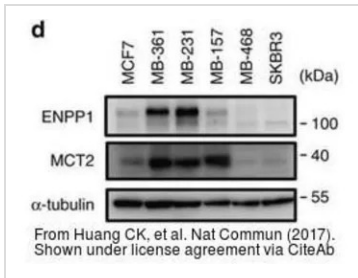


GTX213111-01 WB Image

The data was published in the 2022 in Front Aging Neurosci. [PMID: 35264943](https://doi.org/10.3389/fnagi.2022.852493)

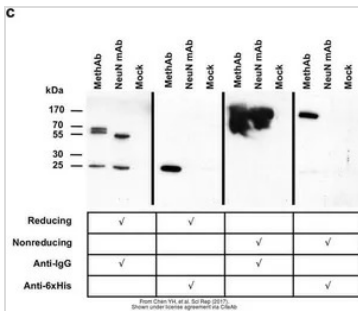


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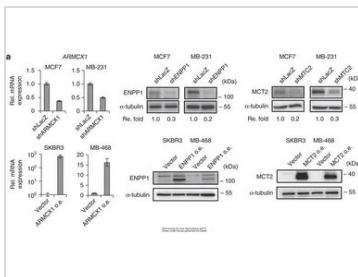
GTx213111-01 WB Image

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



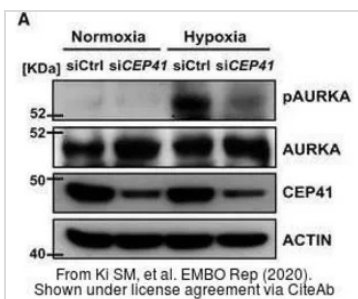
GTx213111-01 WB Image

The data was published in the 2017 in Sci Rep. [PMID: 28387350](#)



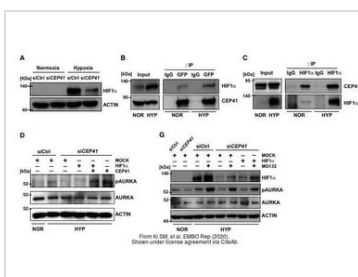
GTx213111-01 WB Image

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



GTx213111-01 WB Image

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

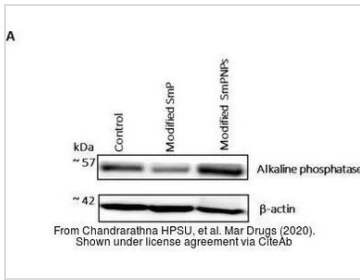


GTx213111-01 WB Image

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

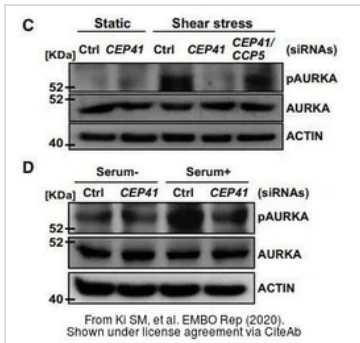


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GTX213111-01 WB Image

The data was published in the journal Mar Drugs in 2020. [PMID: 32245246](https://pubmed.ncbi.nlm.nih.gov/32245246/)



GTX213111-01 WB Image

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



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ATM antibody [2C1]

Cat. No. GTX70103

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

References (245)

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.

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	5 µg/ml
FCM	Assay dependent
IP	1-10 µg/ml
ELISA	Assay dependent
ChIP assay	Assay dependent
IHC	Assay dependent

Note : Please refer to the publication by Harry Scherthan, et.al., 2000 and Yiyong Liu, et.al., 2006.

Not tested in other applications.

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

Properties

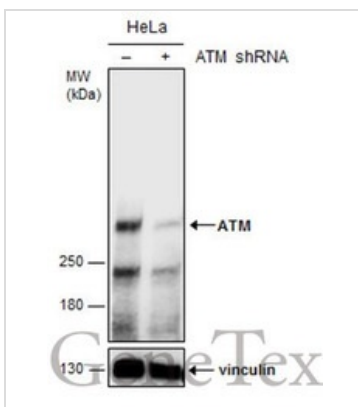
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



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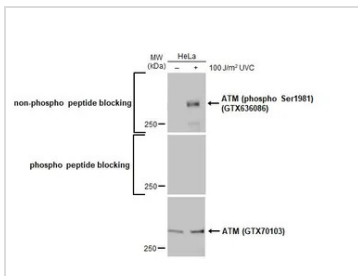
Concentration	0.99 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein expressed in E. coli corresponding to amino acids 2577-3056.
Purification	Purified by antigen-affinity chromatography. From tissue culture supernatant
Conjugation	Unconjugated
Note	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



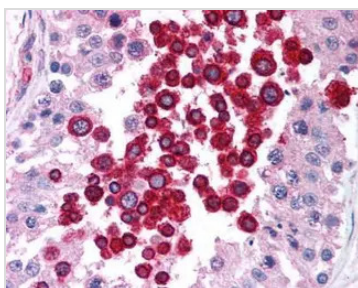
GTx70103 WB Image

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.

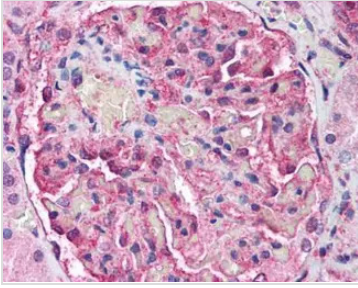


GTx70103 IHC-P Image

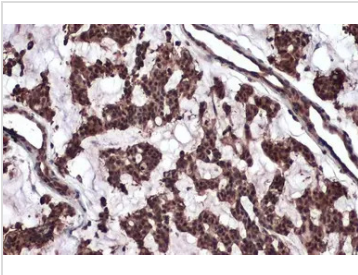
Human Testis (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



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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.

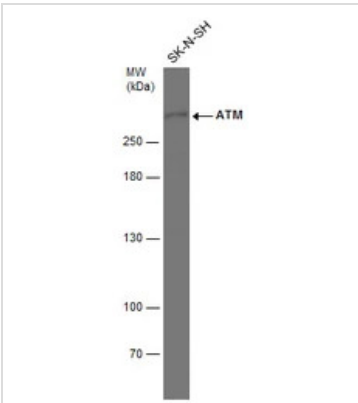

GTX70103 IHC-P Image

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

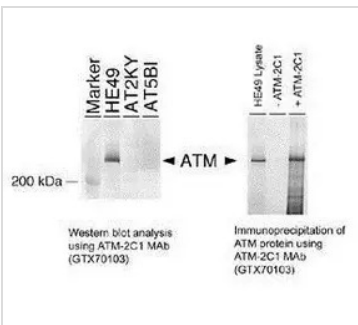
Sample: Paraffin-embedded human breast carcinoma.

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

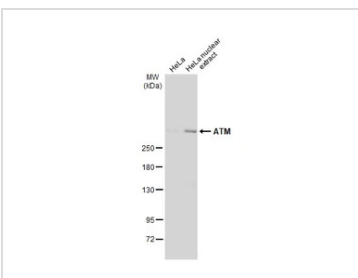
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


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

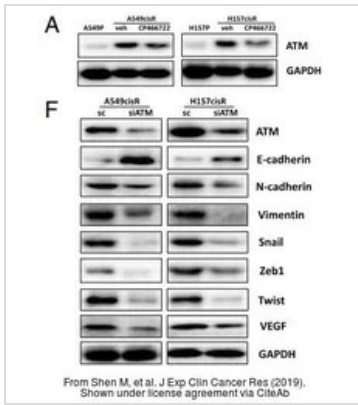
Detection of human ATM protein using anti-ATM 2C1 monoclonal antibody (GTX70103) by western blot or immunoprecipitation.


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.

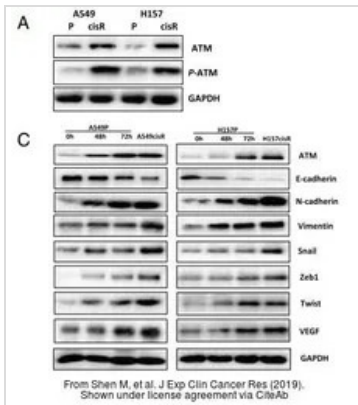


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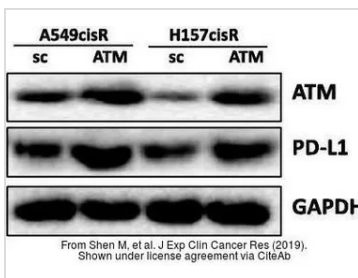
GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](https://pubmed.ncbi.nlm.nih.gov/30961670/)



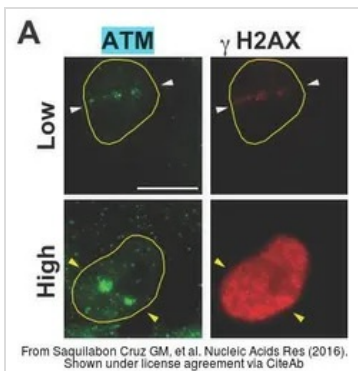
GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](https://pubmed.ncbi.nlm.nih.gov/30961670/)



GTx70103 WB Image

The data was published in the 2019 in J Exp Clin Cancer Res. [PMID: 30961670](https://pubmed.ncbi.nlm.nih.gov/30961670/)

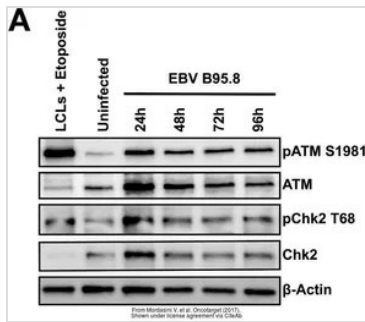


GTx70103 ICC/IF Image

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

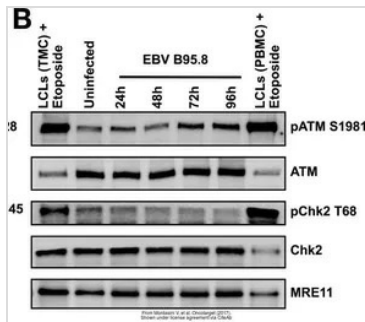


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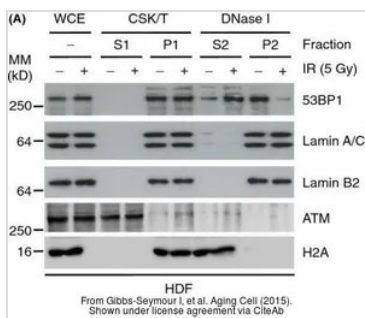
GTX70103 WB Image

The data was published in the journal Oncotarget in 2017.[PMID: 28031537](#)



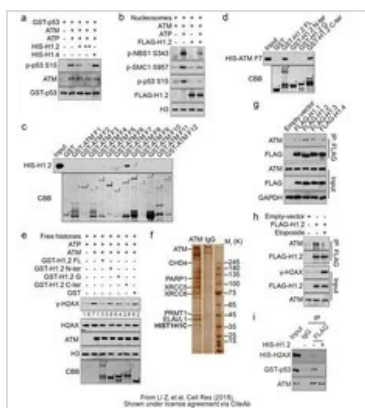
GTX70103 WB Image

The data was published in the journal Oncotarget in 2017.[PMID: 28031537](#)



GTX70103 WB Image

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

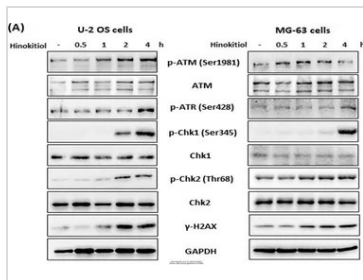


GTX70103 WB IP Image

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

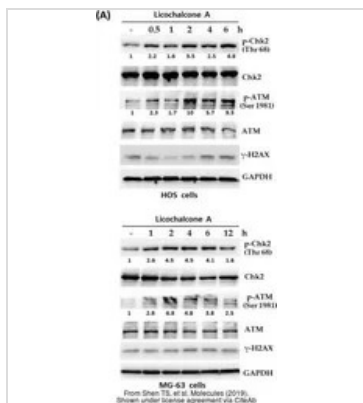


For full product information, images and publications, please visit our [website](#).



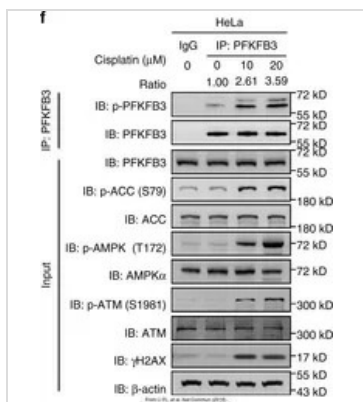
GTx70103 WB Image

The data was published in the 2022 in Int J Mol Sci. [PMID: 35163553](#)



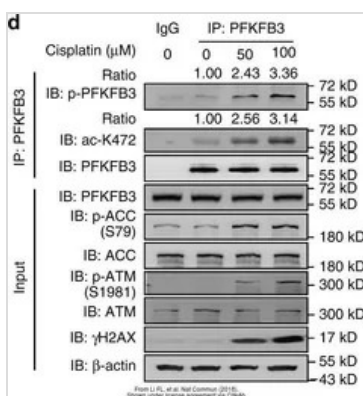
GTx70103 WB Image

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



GTx70103 WB Image

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

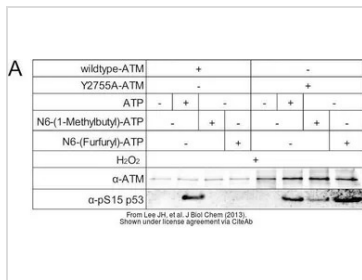


GTx70103 WB Image

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

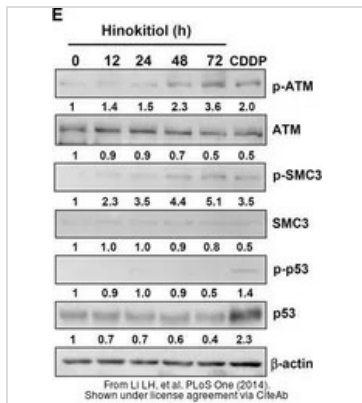


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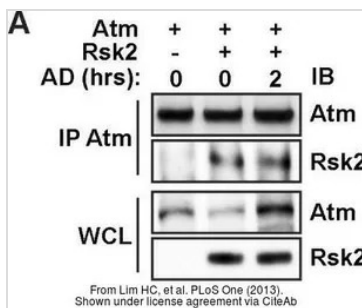
GTx70103 WB Image

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



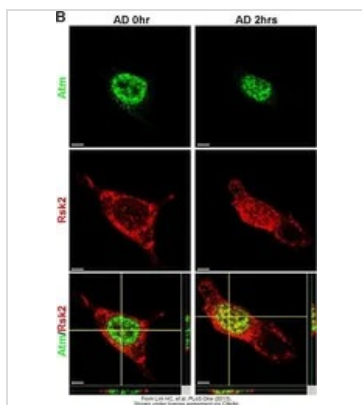
GTx70103 WB Image

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



GTx70103 WB IP Image

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

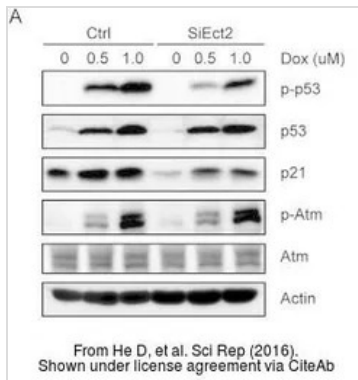


GTx70103 ICC/IF Image

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

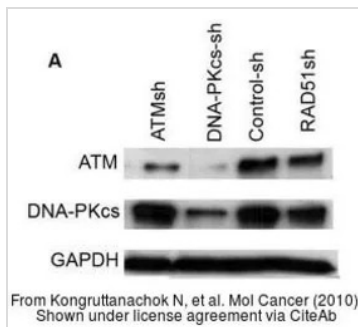


For full product information, images and publications, please visit our [website](#).



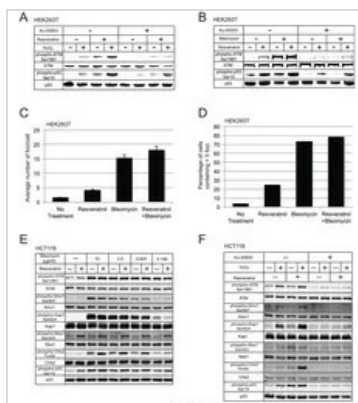
GTx70103 WB Image

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



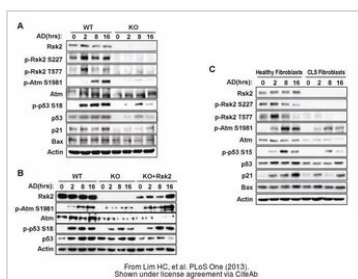
GTx70103 WB Image

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



GTx70103 WB Image

The data was published in the journal PLoS One in 2014. [PMID: 24933654](#)

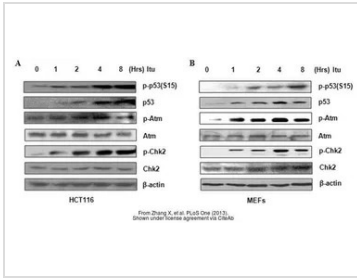


GTx70103 WB Image

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

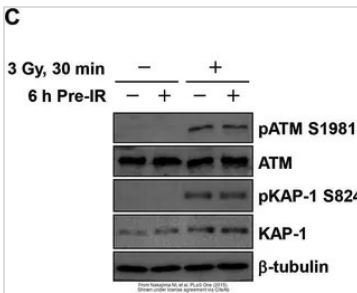


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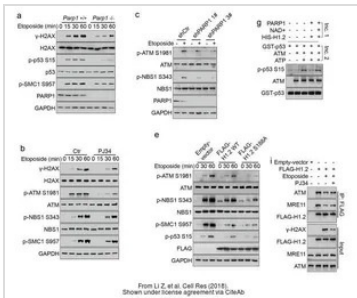
GTx70103 WB Image

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



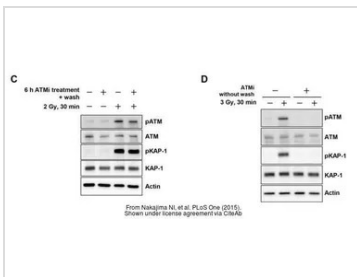
GTx70103 WB Image

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



GTx70103 WB Image

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



GTx70103 WB Image

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



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ATR antibody [2B5]

Cat. No. GTX70109

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IP, Functional Assay
Reactivity	Human, Mouse

References (30)

Package

100 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IP	Assay dependent
Functional Assay	Assay dependent

Not tested in other applications.

Calculated MW 301 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
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 fragment, corresponding to amino acids 710-1100 of Human ATR.
Purification	Protein G purified
Conjugation	Unconjugated

Note

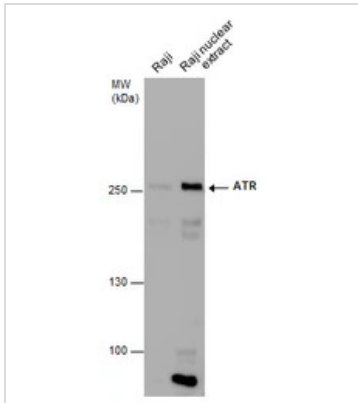
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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



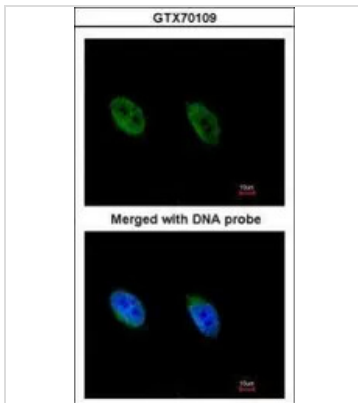
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DATA IMAGES



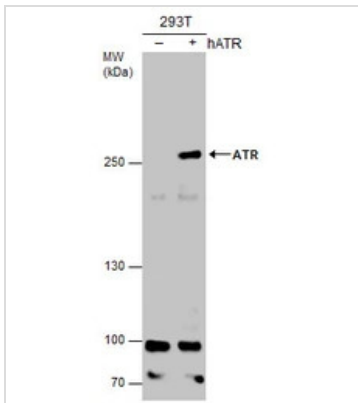
GTK70109 WB Image

Raji whole cell and nuclear extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR antibody (GTK70109) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTK213111-01) was used to detect the primary antibody.



GTK70109 ICC/IF Image

Immunofluorescence analysis of HeLa, using ATR(GTK70109) antibody at 1:100 dilution.

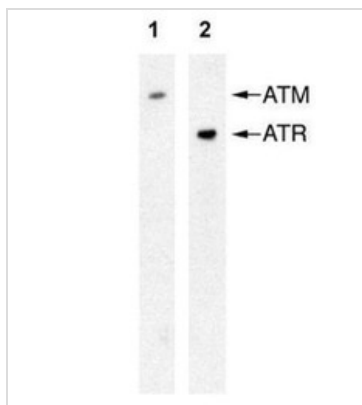


GTK70109 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR antibody [2B5] (GTK70109) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTK213111-01) was used to detect the primary antibody.



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GTX70109 WB Image

Detection of ATM (Anti-ATM 2C1, GTX70103) or ATR (Anti-ATR 2B5, GTX70109) by western blot in human Raji whole cell extract.

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



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BRCA1 antibody [17F8] - ChIP grade

Cat. No. GTX70111

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

References (27)

Package

100 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 µg/ml
IHC-P	Assay dependent
IP	Assay dependent
ELISA	Assay dependent
ChIP assay	Assay dependent
IHC	Assay dependent

Not tested in other applications.

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

Product Note

This antibody does not recognize the delta exon 11 splice variant of BRCA1. In a high proportion of breast and ovarian cancer cell lines, BRCA1 aberrantly mislocates to the cytoplasm.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
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	1.55 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Protein fragment expressed in E. coli corresponding to amino acids 762-1315.
Purification	Protein G purified

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

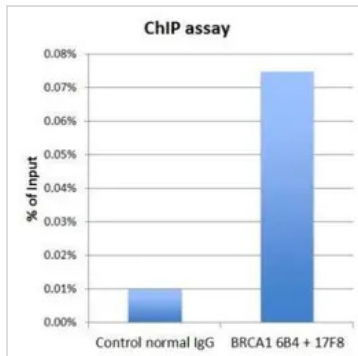
Conjugation

Unconjugated

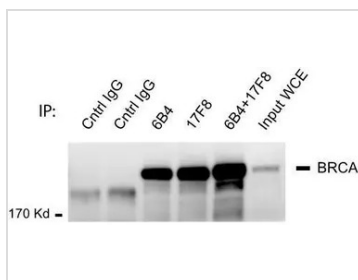
Note

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

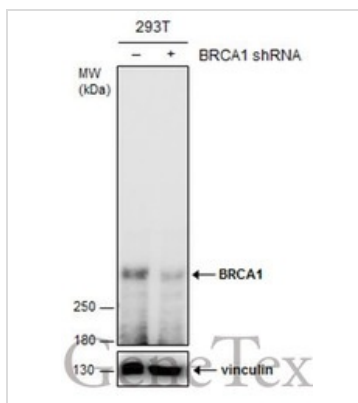
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx70111 ChIP assay Image

BRCA1 antibody 6B4 (GTx70115) and BRCA1 antibody 17F8 (GTx70111) were used for ChIP assay. The 6B4 and 17F8 mixture (3 microgram each), or normal mouse IgG (6 microgram) were incubated with HeLa chromatin extract (100 umicrogram each) in the ChIP assay. Enrichment of genomic DNA on a BRCA1 target gene promoter (HMGA2) was validated by a Q-PCR assay.


GTx70111 IP Image

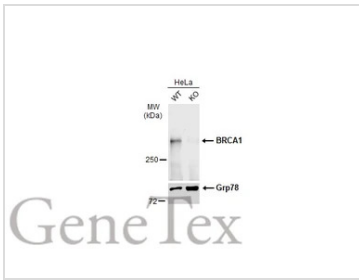
BRCA1 antibody 6B4 (GTx70115) and BRCA1 antibody 17F8 (GTx70111) was used for IP-WB assay. 6B4 alone (4 microgram), 17F8 alone (4 microgram), 6B4 plus 17F8 (2 microgram each), and mouse control normal IgG were used in an immunoprecipitation assay with MCF7 cell extract. Immunoprecipitated BRCA1 was detected in WB using BRCA1 antibody 6B4 at 1:1000 dilution.


GTx70111 WB Image

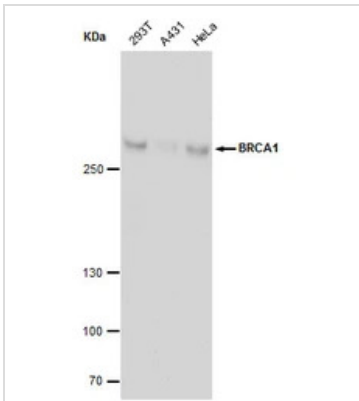
Non-transfected (–) and transfected (+) 293T whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [17F8] - ChIP grade (GTx70111) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



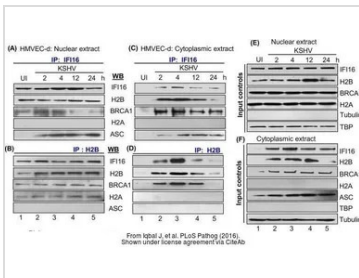
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GTx70111 WB Image

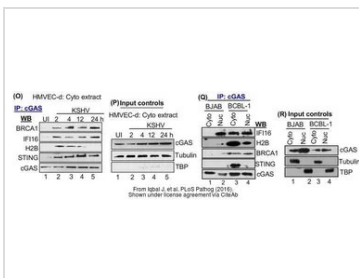
Wild-type (WT) and BRCA1 knockout (KO) HeLa cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [17F8] - ChIP grade (GTx70111) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.


GTx70111 WB Image

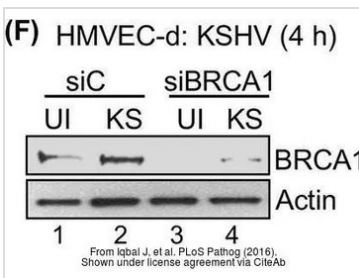
BRCA1 antibody [17F8] - ChIP grade detects BRCA1 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and blotted with BRCA1 antibody [17F8] - ChIP grade (GTx70111) diluted by 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


GTx70111 WB Image

The data was published in the journal PLoS Pathog in 2016. [PMID: 27764250](https://pubmed.ncbi.nlm.nih.gov/27764250/)


GTx70111 WB Image

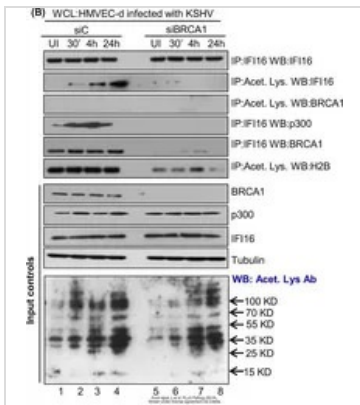
The data was published in the journal PLoS Pathog in 2016. [PMID: 27764250](https://pubmed.ncbi.nlm.nih.gov/27764250/)


GTx70111 WB Image

The data was published in the journal PLoS Pathog in 2016. [PMID: 27764250](https://pubmed.ncbi.nlm.nih.gov/27764250/)

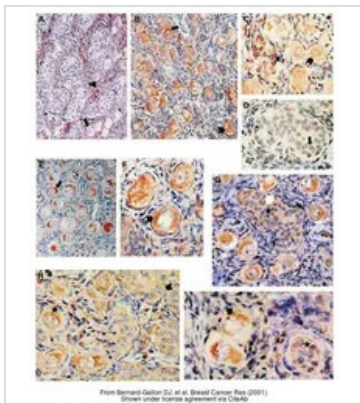


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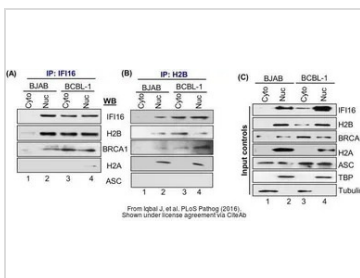
GTx70111 WB Image

The data was published in the journal PLoS Pathog in 2016. [PMID: 27764250](https://pubmed.ncbi.nlm.nih.gov/27764250/)



GTx70111 IHC-P Image

The data was published in the journal Breast Cancer Res in 2001. [PMID: 11250747](https://pubmed.ncbi.nlm.nih.gov/11250747/)



GTx70111 WB Image

The data was published in the journal PLoS Pathog in 2016. [PMID: 27764250](https://pubmed.ncbi.nlm.nih.gov/27764250/)



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p53 antibody [DO1]

Cat. No. GTX70214

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM, IP, ELISA, IHC-P (cell pellet)
Reactivity	Human, Mouse

References (44)

★★★★★ Review (9)

Package

100 µl

PRODUCT

Summary

p53 antibody recognizes p53 protein, which has a predicted molecular weight of 44 kDa but is typically detected by western blot at 53 kDa. p53, known widely as a tumor suppressor, plays critical roles in various cellular processes including cell cycle regulation, DNA repair, and apoptosis. p53 is mutated in many human cancers.

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:10000
ICC/IF	Assay dependent
IHC-P	1:1000
IHC-Fr	Assay dependent
FCM	Assay dependent
IP	1:100-1:500
ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

Note : Antigen retrieval can be done with EDTA at pH8.0 - Some customers have stated that the product works well without antigen retrieval.

Not tested in other applications.

Calculated MW

44 kDa. ([Note](#))

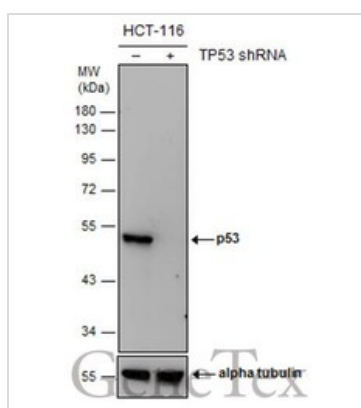
Properties

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

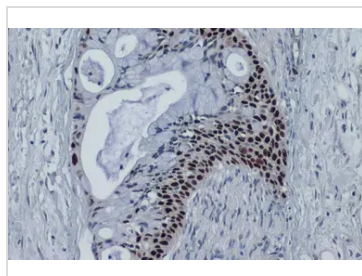


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Concentration	0.25 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant human p53 expressed in E. coli.
Purification	Protein A purified From tissue culture supernatant
Conjugation	Unconjugated
Note	For laboratory 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

GTx70214 WB Image

Non-transfected (–) and transfected (+) HCT116 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [DO1] (GTx70214) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


GTx70214 IHC-P Image

p53 antibody [DO1] detects p53 protein at nucleus by immunohistochemical analysis.

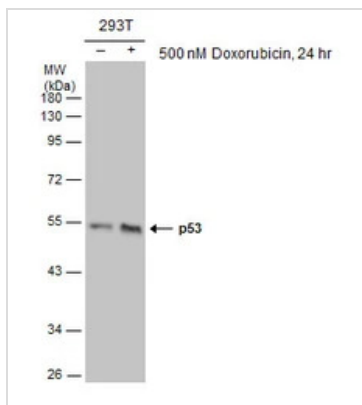
Sample: Paraffin-embedded human pancreatic cancer.

p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

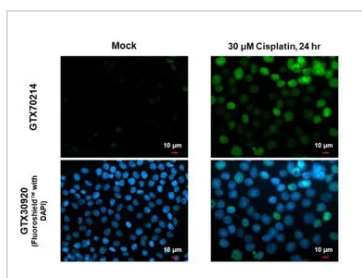


For full product information, images and publications, please visit our [website](https://www.genetex.com).



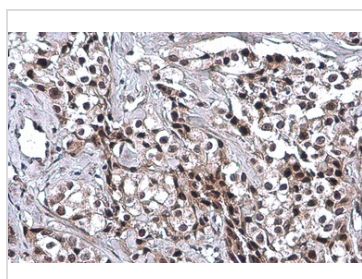
GTx70214 WB Image

Untreated (-) and treated (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [DO1] (GTx70214) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



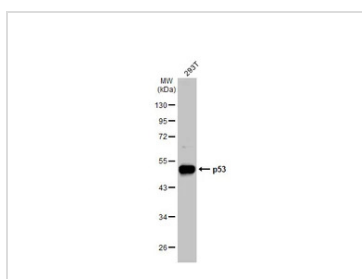
GTx70214 ICC/IF Image

p53 antibody [DO1] detects p53 protein at nucleus by immunofluorescent analysis.
Sample: Mock and treated HCT116 cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTx30920).



GTx70214 IHC-P Image

p53 antibody [DO1] detects p53 protein at cytoplasm and nucleus by immunohistochemical analysis.
Sample: Paraffin-embedded human breast carcinoma.
p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:100.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

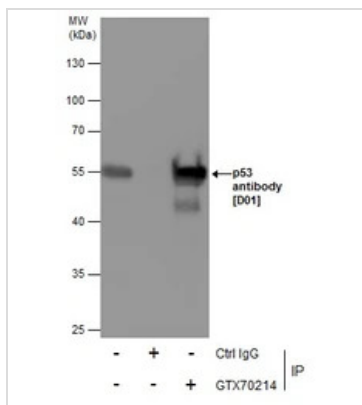


GTx70214 WB Image

293T whole cell extracts (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [DO1] (GTx70214) diluted at 1:40000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



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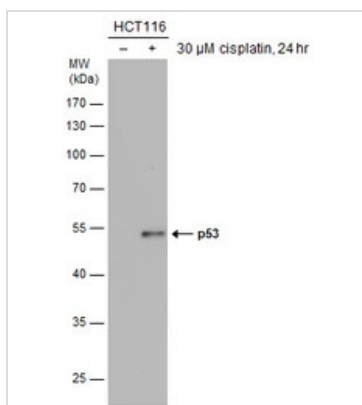


GTx70214 IP Image

Immunoprecipitation of p53 protein from 293T whole cell extracts using 5 µg of p53 antibody [DO1] (GTx70214).

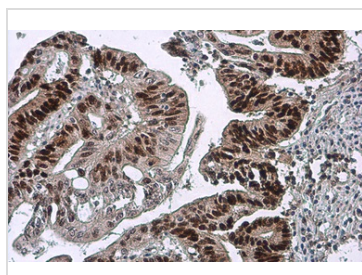
Western blot analysis was performed using p53 antibody [DO1] (GTx70214).

EasyBlot anti-Mouse IgG (GTx221667-01) was used as a secondary reagent.



GTx70214 WB Image

Untreated (-) and treated (+) HCT116 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [DO1] (GTx70214) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



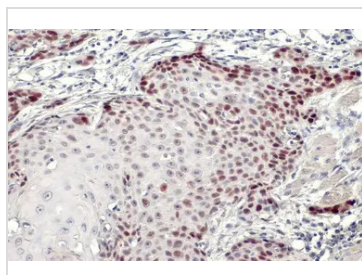
GTx70214 IHC-P Image

p53 antibody [DO1] detects p53 protein at cytoplasm and nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human colon cancer.

p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTx70214 IHC-P Image

p53 antibody [DO1] detects p53 protein at nucleus by immunohistochemical analysis.

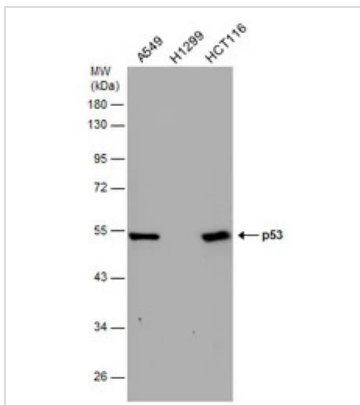
Sample: Paraffin-embedded human oral carcinoma.

p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

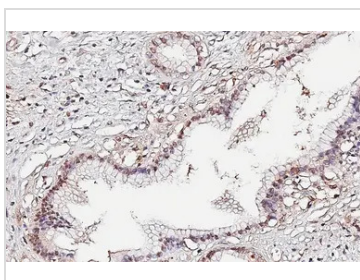


For full product information, images and publications, please visit our [website](https://www.genetex.com).



GTx70214 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with p53 antibody [DO1] (GTx70214) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.



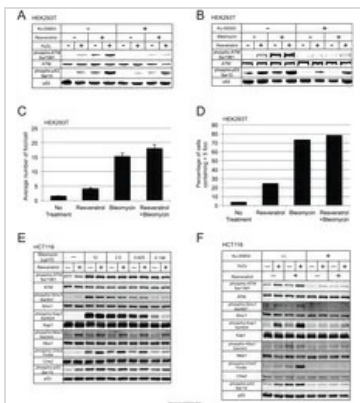
GTx70214 IHC-P Image

p53 antibody [DO1] detects p53 protein by immunohistochemical analysis.

Sample: Paraffin-embedded human pancreatic cancer.

p53 stained by p53 antibody [DO1] (GTx70214) diluted at 1:50.

Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



GTx70214 WB Image

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



For full product information, images and publications, please visit our [website](https://www.genetex.com).

Chk2 antibody [8F12]

Cat. No. GTX70295

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF
Reactivity	Human, Mouse

References (7)

Package

100 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent

Not tested in other applications.

Calculated MW 61 kDa. ([Note](#))

Product Note GTX70295 is specific for human CHK2 protein.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
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 CHK2 protein
Purification	Protein G purified
Conjugation	Unconjugated

Note

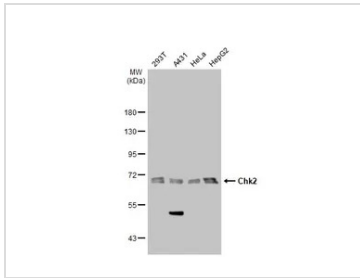
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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



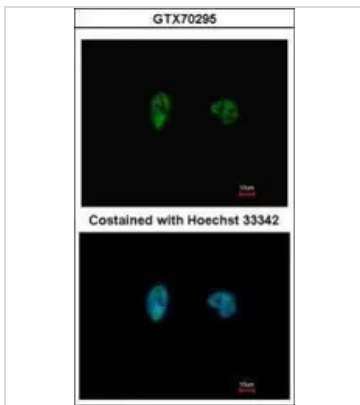
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DATA IMAGES



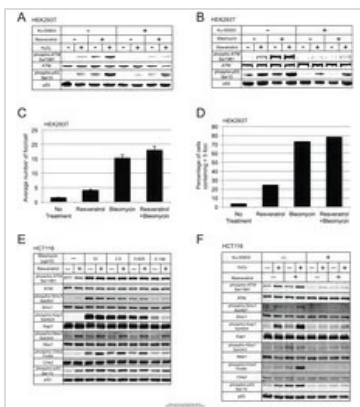
GTx70295 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Chk2 antibody [8F12] (GTx70295) 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.



GTx70295 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using (GTx70295) antibody at 1:500 dilution.



GTx70295 WB Image

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



For full product information, images and publications, please visit our [website](https://www.genetex.com).

Chk1 antibody [6F5]

Cat. No. GTX70303

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF
Reactivity	Human

References (1)

Package

100 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent

Not tested in other applications.

Calculated MW	54 kDa. (Note)
Product Note	Human Chk1

Properties

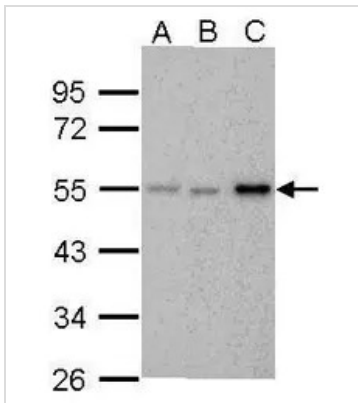
Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full-length human Chk1
Purification	Protein G affinity purified From hybridoma culture supernatant
Conjugation	Unconjugated

Note

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DATA IMAGES

GTKX70303 WB Image

Chk1 antibody [6F5] detects Chk1 protein by Western blot analysis.

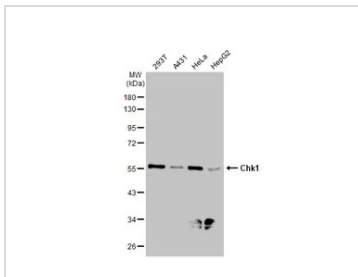
A. 30 µg 293T whole cell lysate/extract

B. 30 µg HeLa whole cell lysate/extract

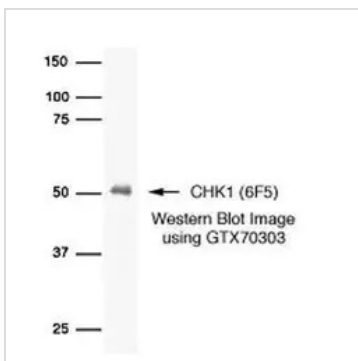
C. 30 µg A375 whole cell lysate/extract

10 % SDS-PAGE

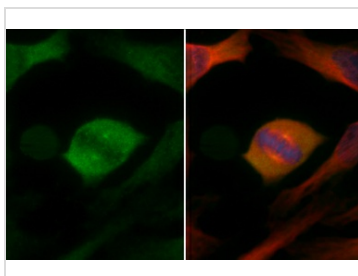
Chk1 antibody [6F5] (GTKX70303) dilution: 1:500


GTKX70303 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Chk1 antibody [6F5] (GTKX70303) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTKX213110-01) was used to detect the primary antibody.


GTKX70303 WB Image

Detection of human Chk1 protein in HeLa whole cell lysate using GeneTex Chk 1 6F5 monoclonal antibody GTKX70303


GTKX70303 ICC/IF Image

Chk1 antibody [6F5] detects Chk1 protein at centrosome by immunofluorescent analysis.

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

Green: Chk1 stained by Chk1 antibody [6F5] (GTKX70303) diluted at 1:500.

Red: beta Tubulin, a cytoskeleton marker, stained by beta Tubulin antibody (GTKX101279) diluted at 1:1000.

Blue: Fluoroshield with DAPI (GTKX30920).



For full product information, images and publications, please visit our [website](https://www.genetex.com).