

GTX300017

Non-homologous End Joining Antibody Panel 2

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX100092	XLIF antibody [N3C3]	Human	WB, ICC/IF, IHC-P, IP	25 µl
GTX100100	DNA ligase IV antibody [N2C2], Internal	Human, Mouse	WB, IHC-P	25 µl
GTX109673	DNA-PKcs antibody [C3], C-term	Human	WB, ICC/IF, IHC-P	25 µl
GTX213110-01	Goat Anti-Rabbit IgG antibody (HRP)	Rabbit	WB, IHC-P, ELISA	25 µl
GTX636713	Histone H2A.XS139ph (phospho Ser139) antibody [HL1299]	Human, Mouse	WB, ICC/IF, IHC-P	25 µl

Note

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XLF antibody [N3C3]

Cat. No. GTX100092

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

Package

100 µl, 25 µl

Applications

Application Note

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

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

Not tested in other applications.

Calculated MW 33 kDa. ([Note](#))

Properties

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

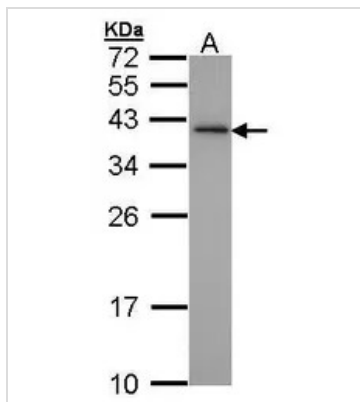
Note

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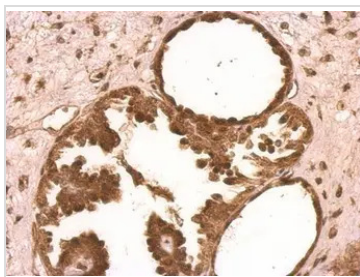
DATA IMAGES

GTx100092 WB Image

Sample (30 ug of whole cell lysate)

A: Hep G2 (GTx27900)

12% SDS PAGE

GTx100092 diluted at 1:1000

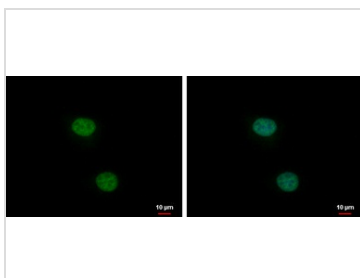

GTx100092 IHC-P Image

XLF antibody [N3C3] detects XLF protein on human ovarian carcinoma by immunohistochemical analysis.

Sample: Paraffin-embedded ovarian carcinoma.

XLF antibody [N3C3] (GTx100092) dilution: 1:500.

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

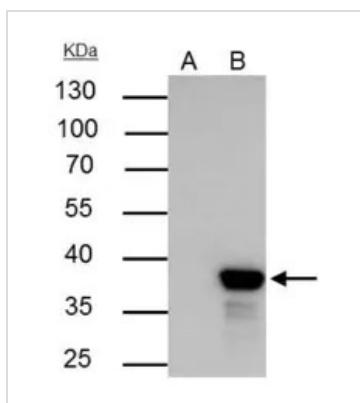

GTx100092 ICC/IF Image

XLF antibody [N3C3] detects XLF protein at nucleus by immunofluorescent analysis.

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

Green: XLF protein stained by XLF antibody [N3C3] (GTx100092) diluted at 1:1000.

Blue: Hoechst 33342 staining.


GTx100092 IP Image

XLF antibody [N3C3] immunoprecipitates XLF protein in IP experiments.

IP samples: Jurkat whole cell extract

A. Control with 3 µg of preimmune Rabbit IgG

B. Immunoprecipitation of XLF protein by 3 µg XLF antibody [N3C3] (GTx100092)

10 % SDS-PAGE

The immunoprecipitated XLF protein was detected by XLF antibody [N3C3] (GTx100092) diluted at 1:1000.

[EasyBlot anti-rabbit IgG (GTx221666-01) was used as a secondary reagent]



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DNA ligase IV antibody [N2C2], Internal

Cat. No. GTX100100

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

References (5)

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
IHC-P	Assay dependent

Not tested in other applications.

Calculated MW 104 kDa. ([Note](#))

Product Note The use of GTX100100 for mouse is based on IHC-P testing. For WB using mouse samples, we recommend GTX108820. KO/KD validation is based on published data (PMID: 32890395).

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



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

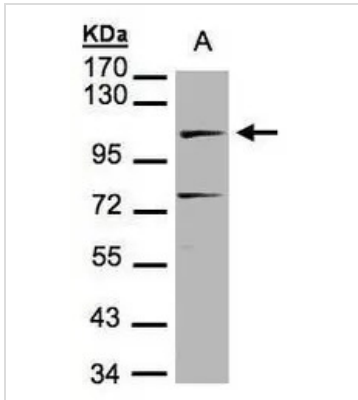
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Note

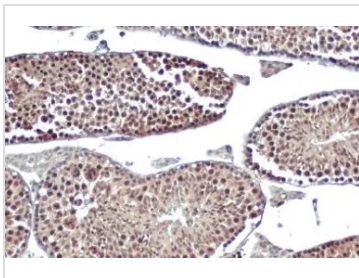
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DATA IMAGES



GTXT100100 WB Image

Sample(30 µg of whole cell lysate)
A:MOLT4(GTX27912) 7.5% SDS PAGE
GTXT100100 diluted at 1:1000



GTXT100100 IHC-P Image

DNA ligase IV antibody [N2C2], Internal detects DNA ligase IV protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded mouse testis.

DNA ligase IV stained by DNA ligase IV antibody [N2C2], Internal (GTXT100100) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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

DNA-PKcs antibody [C3], C-term

Cat. No. GTX109673

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

References (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

Not tested in other applications.

Calculated MW 469 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	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human DNA-PKcs. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

Note

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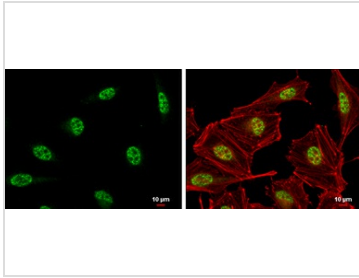
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DATA IMAGES



GTx109673 ICC/IF Image

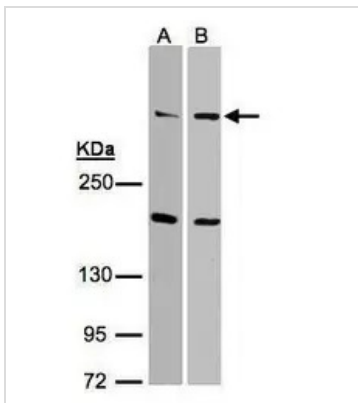
DNA-PKcs antibody [C3], C-term detects DNA-PKcs protein at nucleus by immunofluorescent analysis.

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

Green: DNA-PKcs protein stained by DNA-PKcs antibody [C3], C-term (GTx109673) diluted at 1:500.

Red: phalloidin, a cytoskeleton marker, diluted at 1:200.

Scale bar = 10 μm.



GTx109673 WB Image

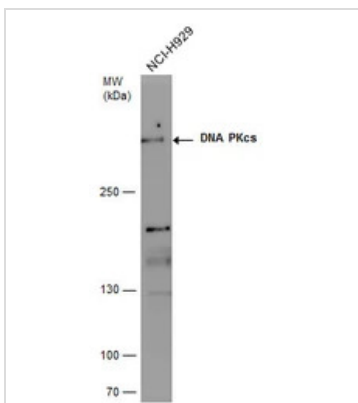
Sample(30 ug whole cell lysate)

A:293T

B:MOLT4 (GTx27912)

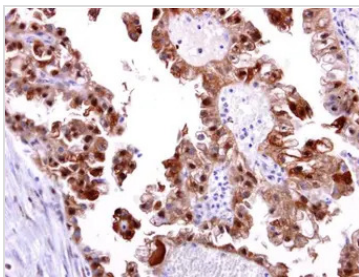
5% SDS PAGE

GTx109673 diluted at 1:1000



GTx109673 WB Image

DNA PKcs antibody detects DNA PKcs protein by western blot analysis. Whole cell extracts (30 μg) was separated by 5% SDS-PAGE, and the membrane was blotted with DNA PKcs antibody (GTx109673) at a dilution of 1:500.



GTx109673 IHC-P Image

DNA-PKcs antibody [C3], C-term detects DNA-PKcs protein at cytosol and nucleus on human ovarian carcinoma by immunohistochemical analysis.

Sample: DNA-PKcs antibody [C3], C-term (GTx109673) dilution: 1:250.

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



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Goat Anti-Rabbit IgG antibody (HRP)

Cat. No. GTX213110-01

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

References (659)

Package

1 ml

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:20000
IHC-P	1:100-1:1000
ELISA	1:5000-1:20000

Not tested in other applications.

Properties

Form	Liquid
Buffer	0.05M Tris, 0.15M NaCl
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Highly purified whole rabbit IgG
Purification	Purified by antigen-affinity chromatography.
Conjugation	Horseradish peroxidase(HRP)

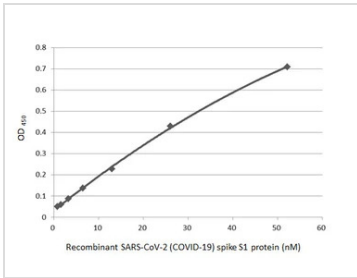
Note

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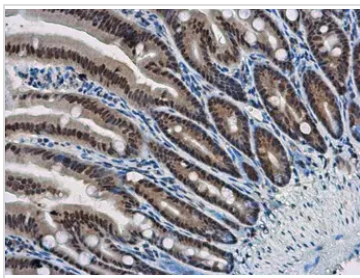
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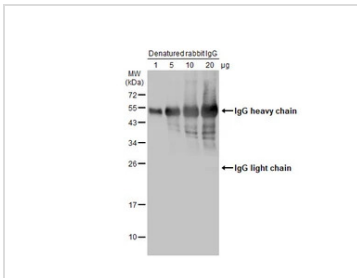
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DATA IMAGES

GTX213110-01 ELISA Image

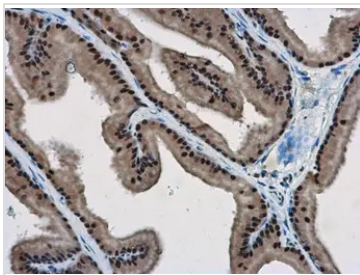
Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) (52.15-0.81 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike S1 antibody [HL134] (GTX635671) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01)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


GTX213110-01 IHC-P Image

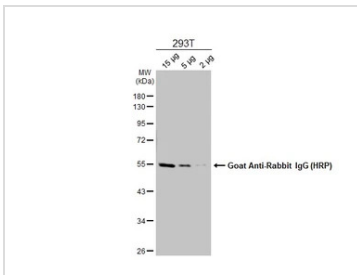
WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
 Sample: Paraffin-embedded mouse intestine.
 WBP11 antibody (GTX118654) diluted at 1:500.
 The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01)
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTX213110-01 WB Image

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


GTX213110-01 IHC-P Image

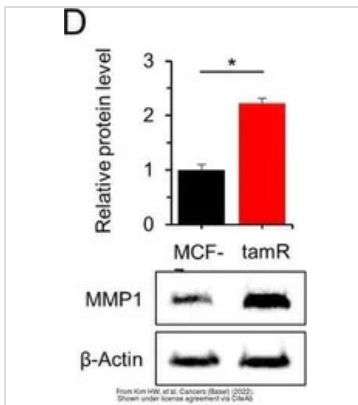
WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.
 Sample: Paraffin-embedded rat prostate.
 WBP11 antibody (GTX118654) diluted at 1:500.
 The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01).
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTX213110-01 WB Image

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

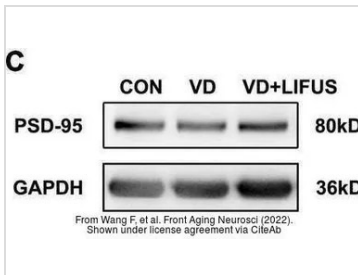


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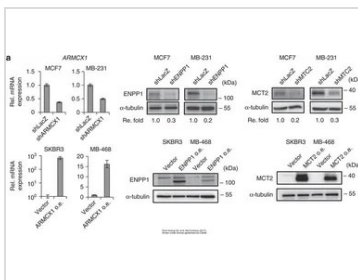
GTX213110-01 WB Image

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



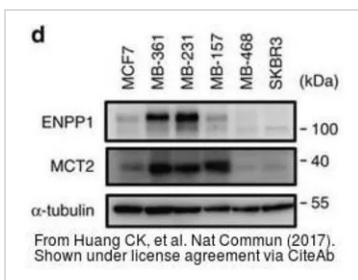
GTX213110-01 WB Image

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



GTX213110-01 WB Image

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

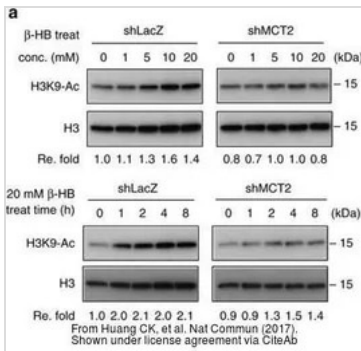


GTX213110-01 WB Image

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

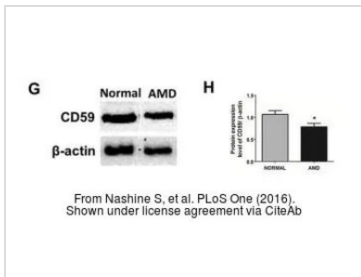


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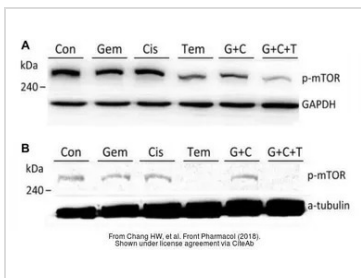
GTx213110-01 WB Image

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



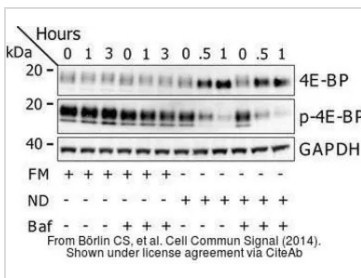
GTx213110-01 WB Image

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



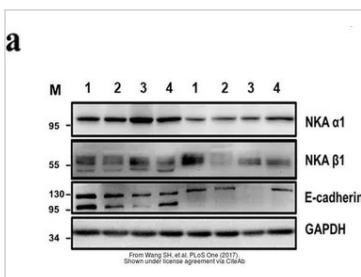
GTx213110-01 WB Image

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



GTx213110-01 WB Image

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

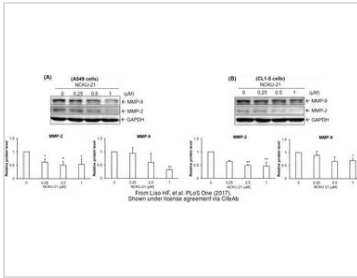


GTx213110-01 WB Image

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

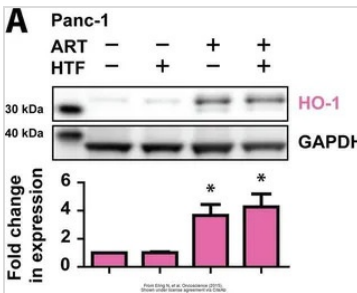


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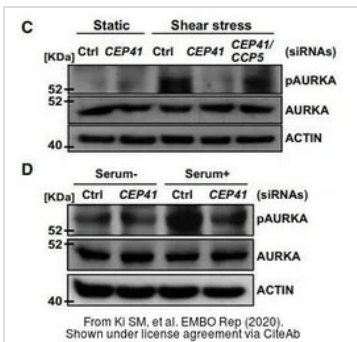
GTx213110-01 WB Image

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



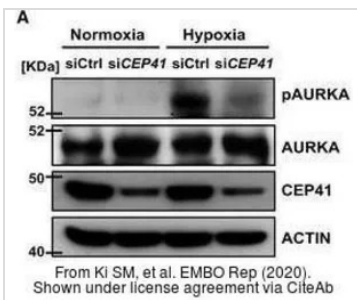
GTx213110-01 WB Image

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



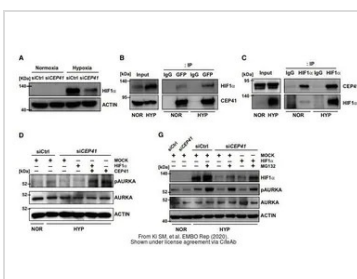
GTx213110-01 WB Image

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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Histone H2A.XS139ph (phospho Ser139) antibody [HL1299]

Cat. No. GTX636713

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

References (2)

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	Assay dependent
IHC-P	Assay dependent

Not tested in other applications.

Observed MW (kDa) 15 kDa.

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	Carrier-protein conjugated synthetic peptide surrounding phospho Ser139 of human Histone H2A.X. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

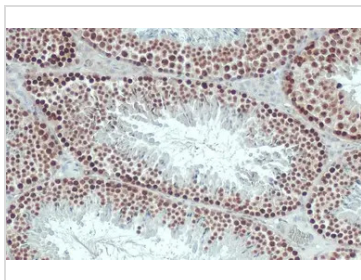
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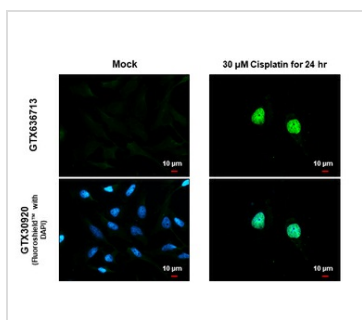
DATA IMAGES

GTx636713 IHC-P Image

Histone H2A.XS139ph (phospho Ser139) antibody [HL1299] detects Histone H2A.XS139ph (phospho Ser139) protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded mouse testis.

Histone H2A.XS139ph (phospho Ser139) stained by Histone H2A.XS139ph (phospho Ser139) antibody [HL1299] (GTx636713) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTx636713 ICC/IF Image

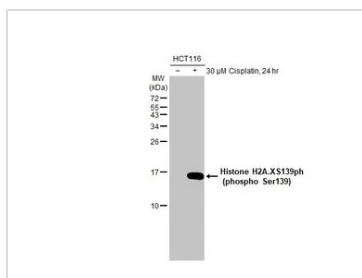
Histone H2A.XS139ph (phospho Ser139) antibody [HL1299] detects Histone H2A.XS139ph (phospho Ser139) protein at nucleus by immunofluorescent analysis.

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

Green: Histone H2A.XS139ph (phospho Ser139) stained by Histone H2A.XS139ph (phospho Ser139) antibody [HL1299] (GTx636713) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTx30920).

Scale bar= 10μm.


GTx636713 WB Image

Untreated (-) and treated (+) HCT116 whole cell extracts (30 μg) were separated by 15% SDS-PAGE, and the membrane was blotted with Histone H2A.XS139ph (phospho Ser139) antibody [HL1299] (GTx636713) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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