

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

Cat. No. GTX628789

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

[References \(21 \)](#)[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 15 kDa. ([Note](#))

Properties

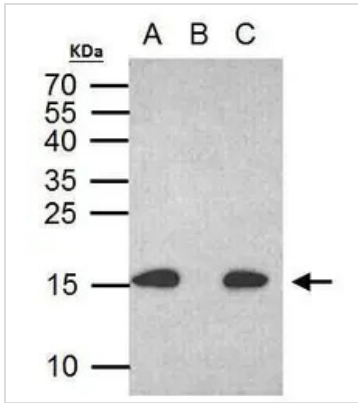
Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.92 mg/ml (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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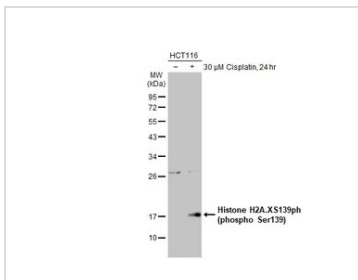
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Note

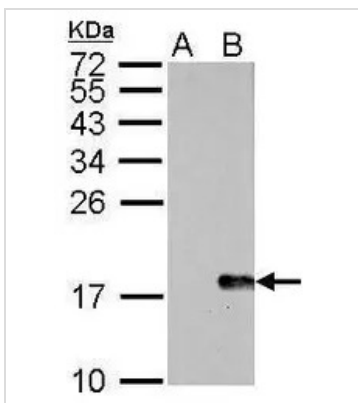
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DATA IMAGES

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

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.


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.



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