

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

Cat. No. GTX628789

Host	Mouse
Clonality	Monoclonal
Isotype	lgG1
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat

References (19) 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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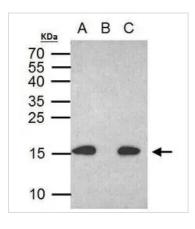


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Note

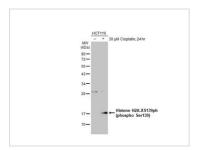
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DATA IMAGES



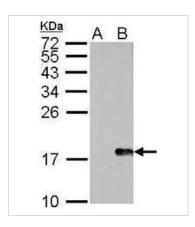
GTX628789 IP Image

Histone H2A.X (phospho S139) antibody immunoprecipitates histone H2A.X (phospho S139) protein in IP experiments. IP Sample: $500 \, \mu g$ HCT116 with CPT $30 \, \mu M$ treatment 24 hr whole cell lysate/extract A. $30 \, \mu g$ HCT116 whole with CPT $30 \, \mu M$ 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 antimouse IgG (GTX221667-01) was used as a secondary reagent.



GTX628789 WB Image

Untreated (–) and treated (+) HCT116 whole cell extracts (30 μ g) 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 (30 μM 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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