

## Histone H2A.XS139ph (phospho Ser139) antibody

**Cat. No. GTX127340**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish

References ( 49 )

★★★★★ Review ( 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	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IHC-Wm	Assay dependent

Not tested in other applications.

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

## Properties

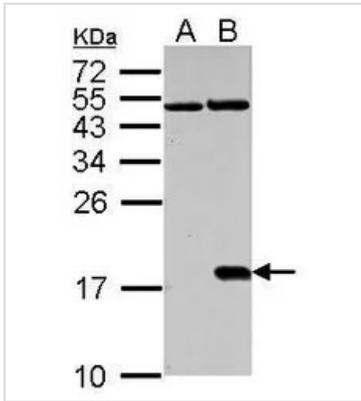
<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.25 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide surrounding phospho Ser139 of human Histone H2A.X. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	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.

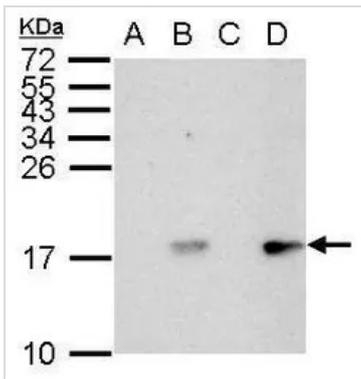
DATA IMAGES



**GTX127340 WB Image**

Histone H2A.X (phospho Ser139) antibody detects H2AFX protein in cisplatin-treated samples by western blot analysis.

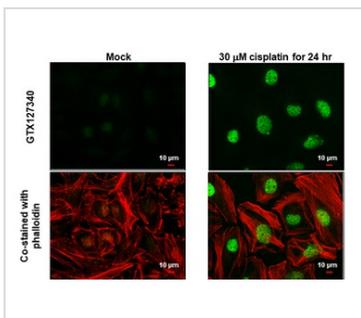
- A. 30 µg NIH-3T3 whole cell lysate/extract (untreated)
  - B. 30 µg NIH-3T3 whole cell lysate/extract (30µM cisplatin treatment for 24hr)
- 15% SDS-PAGE  
 Histone H2A.X (phospho Ser139) antibody (GTX127340) dilution: 1:1000  
 The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX127340 WB Image**

Histone H2A.X (phospho Ser139) antibody detects H2AFX protein by western blot analysis.

- A. 30 µg HCT116 whole cell lysate/extract (untreated for 2hr)
  - B. 30 µg HCT116 whole cell lysate/extract (UVB treatment 50mj for 2hr)
  - C. 30 µg HCT116 whole cell lysate/extract (untreated for 6hr)
  - D. 30 µg HCT116 whole cell lysate/extract (UVB treatment 50mj for 6hr)
- 15% SDS-PAGE  
 Histone H2A.X (phospho Ser139) antibody (GTX127340) dilution: 1:1000  
 The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX127340 ICC/IF Image**

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

- Sample: 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 (GTX127340) diluted at 1:1000.  
 Red: phalloidin, a cytoskeleton marker, diluted at 1:100.  
 Scale bar= 10 µm.



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