

## 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 ( 46 )

★★★★★ 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

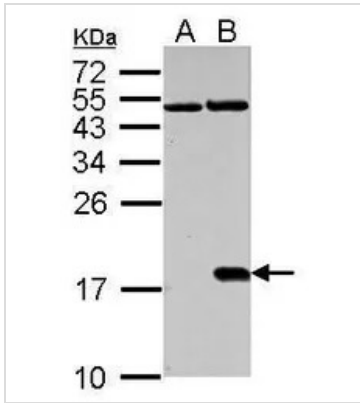
|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | PBS, 1% BSA, 20% Glycerol  |
| <b>Preservative</b>  | 0.025% ProClin 300   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term 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> | 0.16 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   |

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

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.

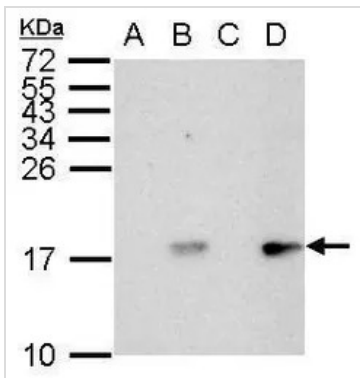
DATA IMAGES



**GTX127340 WB Image**

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

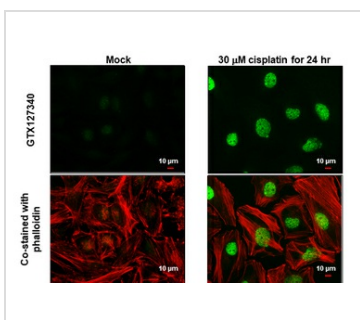
- A. 30 μg NIH-3T3 whole cell lysate/extract (untreated)
  - B. 30 μg NIH-3T3 whole cell lysate/extract (30 μM cisplatin treatment for 24hr)
- 15% SDS-PAGE  
Histone H2A.X (phospho Ser139) antibody (GTX127340) dilution: 1:1000  
The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect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