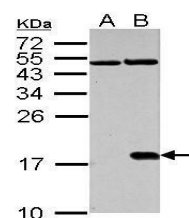


## Product Datasheet

### Histone H2A.XS139ph (phospho Ser139) antibody GRP67

<b>Description</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq]
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ICC, IF, IHC-P, WB
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide corresponding to residues around human Histone H2A.XS139ph (phospho Ser139). The exact sequence is proprietary.
<b>Form/Appearance</b>	Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
<b>Concentration</b>	0.16 mg/ml
<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>Note</b>	For research use only.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Purified by antigen-affinity chromatography.
<b>Uniprot ID</b>	<b>P16104</b>
<b>Entrez</b>	<b>3014</b>
<b>Dilution Range</b>	WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000

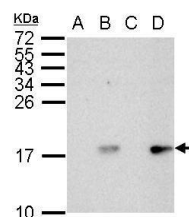


Histone H2A.X (phospho Ser139) antibody detects H2AFX protein in cisplatin-treated samples by western blot analysis.

30 ?g NIH-3T3 whole cell lysate/extract (untreated)

B.

30 ?g NIH-3T3 whole cell lysate/extract (30?M cisplatin treatment for 24



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

30

?g HCT116 whole cell lysate/extract (untreated for

2hr)B. 30 ?g HCT116 whole

cell lysate/extract (UVB treatment 50mJ for 2hr)C.

20