

Product Datasheet

Histone H2A.XS139ph (phospho Ser139) antibody GRP67

Description

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]

Species/Host

Rabbit

Reactivity

Human, Mouse, Rat, Zebrafish

Conjugation

Unconjugated

Tested Applications

ICC, IF, IHC-P, WB

Immunogen

Carrier-protein conjugated synthetic peptide corresponding to residues around human Histone H2A.XS139ph (phospho Ser139). The exact sequence is proprietary.

Form/Appearance

Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

Concentration

0.16 mg/ml

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.

Note

For research use only.

Isotype

IgG

Clonality

Polyclonal

Purity

Purified by antigen-affinity chromatography.

Uniprot ID

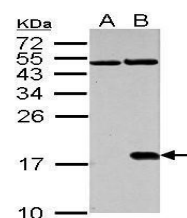
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Entrez

3014

Dilution Range

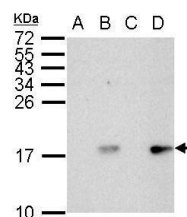
WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000



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.