

Phospho-Histone H2A.X (Ser139) (2A9) Mouse mAb (PBS Only)

db6249-PBS

Package : 可询价

Product Name : Phospho-Histone H2A.X (Ser139) (2A9) Mouse mAb (PBS Only)**Cat.No.:** db6249-PBS**Synonyms** : H2AX; H2AFX; H2a/x; HIST5-2AX; Histone H2AX**Application** : WB, ICC/IF**Reactivity** : Human, Mouse**Host species** : Mouse**Background**

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

Immunogen

Synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X

Gene ID

3014

Swiss Prot

P16104

Synonyms

H2AX; H2AFX; H2a/x; HIST5-2AX; Histone H2AX

Reactivity

Human, Mouse

Application

WB, ICC/IF

Calculated MW

15 kDa

Observed MW

15 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

2A9-B5

Isotype

IgG2a

Purity

Affinity Purification

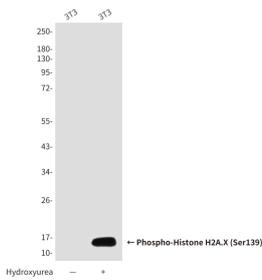
Conjugation

Un-conjugated

Concentration 1 mg/mL

Formulation PBS Only

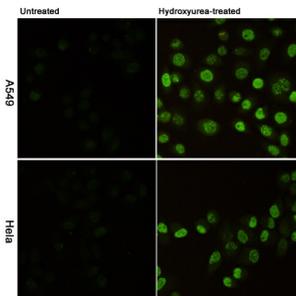
Storage Stability Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



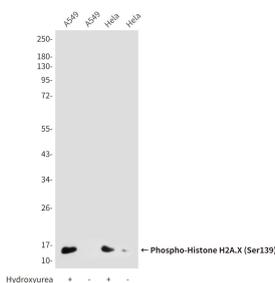
Western blot analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyureatreated 3T3 lysates using Phospho-Histone H2A.X (Ser139) antibody.



Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (2A9) in 3T3 or Hydroxyureatreated 3T3 using Phospho-Histone H2A.X (Ser139) (2A9) antibody



Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (2A9) in A549(upper, untreated or Hydroxyureatreated) and HeLa(lower, untreated or Hydroxyureatreated) using Phospho-Histone H2A.X (Ser139) antibody.



Western blot analysis of Phospho-Histone H2A.X (Ser139) (2A9) in untreated or Hydroxyureatreated HeLa and A549 lysates using Phospho-Histone H2A.X (Ser139) (2A9) antibody(upper) or betaActin antibody(2000688F10) (lower).