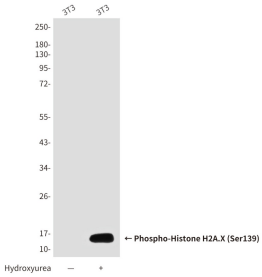
Phospho-Histone H2A.X (Ser139) (2A9) Mouse mAb (PBS Only)

db6249-PBS **Package：可询价**

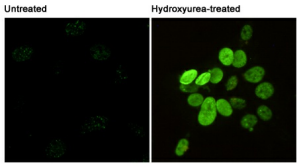
Product Name : Phospho-Histone H2A.X (Ser139) (2A9) Mouse mAb (PBS Only)
Cat.No.: db6249-PBS
Synonyms : H2AX; H2AFX; H2a/x; HIST5-2AX; Histone H2AX
Application : WB, ICC/IF
Reactivity : Human, Mouse
Host species : Mouse

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

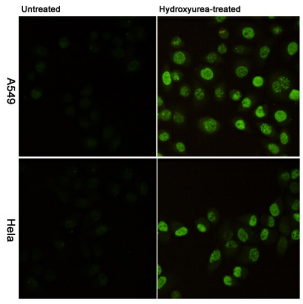
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



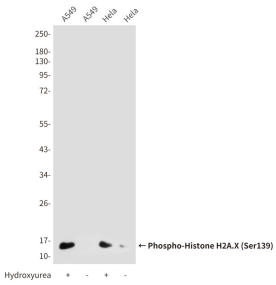
Western blot analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyureatreated 3T3 lysates using Phospho-Histone H2A.X (Ser139) antibody.



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).