# Phospho-Histone H2A.X (Ser139) (7G9) Mouse mAb

**db6251** **Package : 50μL 100μL**

**Product Name :** Phospho-Histone H2A.X (Ser139) (7G9) Mouse mAb
**Cat.No.:** db6251
**Synonyms :** H2AX; H2AFX; H2a/x; HIST5-2AX; Histone H2AX
**Application :** WB, ICC/IF
**Reactivity :** Human, Mouse
**Host species :** Mouse

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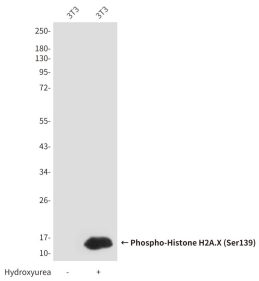
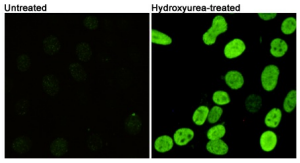
|---|---|
| **Background** | Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. |
| **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 |
| **Recommended dilution** | WB: 1:500-1:1000<br>ICC/IF: 1:50-1:200 |
| **Calculated MW** | 15 kDa |
| **Observed MW** | 15 kDa |
| **Host species** | Mouse |
| **Clonality** | Monoclonal |
| **Clonality No.** | 7G9-H4 |
| **Isotype** | IgG1 |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . |

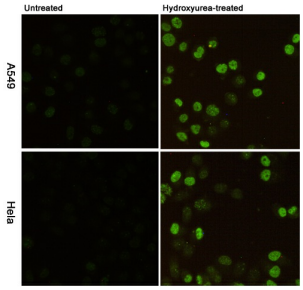
Stable for 12 months from date of receipt.




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) (7G9) in 3T3 or Hydroxyureatreated 3T3 using Phospho-Histone H2A.X (Ser139) antibody.




Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (7G9) in A549(upper, untreated or Hydroxyureatreated) and Hela(lower, untreated or Hydroxyureatreated) using Phospho-Histone H2A.X (Ser139) antibody.