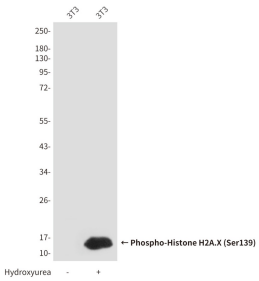
Phospho-Histone H2A.X (Ser139) (7G9) Mouse mAb

db6251 **Package : 50μL 100μL**

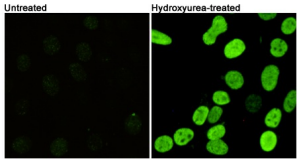
Product Name : Phospho-Histone H2A.X (Ser139) (7G9) Mouse mAb
Cat.No.: db6251
Synonyms : H2AX; H2AFX; H2a/x; HIST5-2AX; Histone H2AX
Application : WB, ICC/IF
Reactivity : Human, Mouse
Host species : Mouse

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 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 .

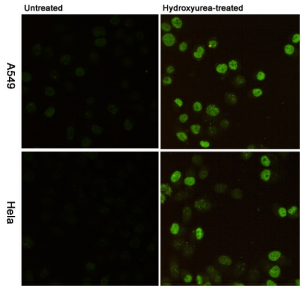
Stable for 12 months from date of receipt.



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.