Product Name: Phospho-Histone H2A.X (Ser139) (7G9) Mouse Monoclonal Antibody
Catalog #: AMM03680

Summary

Production Name	Phospho-Histone H2A.X (Ser139) (7G9) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	H2AX
Alternative Names	H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X; gamma H2A.X
Gene ID	3014
SwissProt ID	P16104.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa

Background

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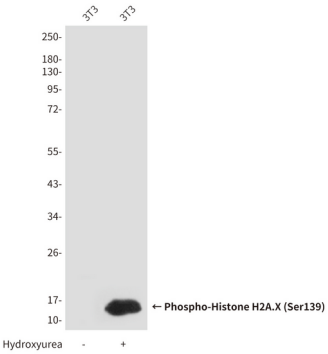
Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

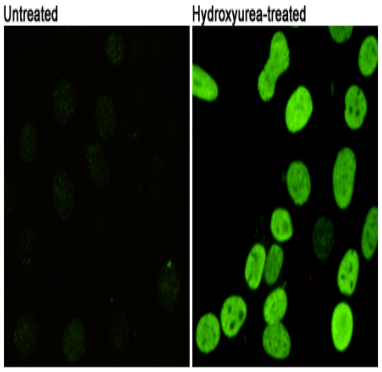
Research Area

Epigenetics and Nuclear Signaling

Image Data



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.

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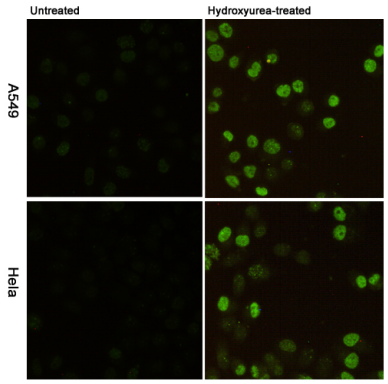

Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (7G9) in A549(upper, untreated or Hydroxyureatreated) and Hela(lower, untreated or Hydroxyureatreated) using Phospho-Histone H2A.X (Ser139) antibody.

Note

For research use only.