

Product Name: Phospho-Histone H2A.X (Ser139) (2A9)
Mouse Monoclonal Antibody
Catalog #: AMM03679

Summary

Production Name	Phospho-Histone H2A.X (Ser139) (2A9) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG2a
Clonality	Monoclonal Antibody
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 Purified

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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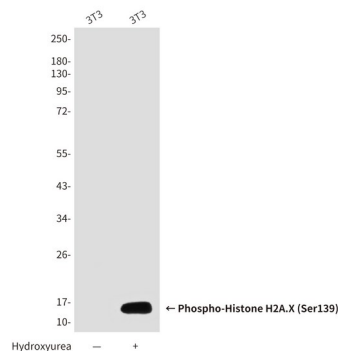


Variante histone H2A, die in einem Teil der Nucleosomen anstelle von konventionellem H2A vorkommt. Nucleosomen wickeln und kompaktieren DNA in Chromatin, was den DNA-Zugang für die zellulären Maschinerien, die DNA als Vorlage benötigen, einschränkt. Histone spielen eine zentrale Rolle bei der Transkriptionsregulation, DNA-Reparatur, DNA-Replikation und Chromosomenstabilität.

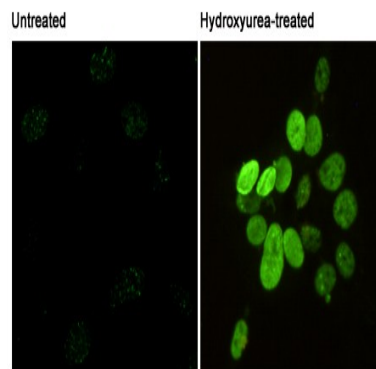
Research Area

Epigenetics and Nuclear Signaling

Image Data

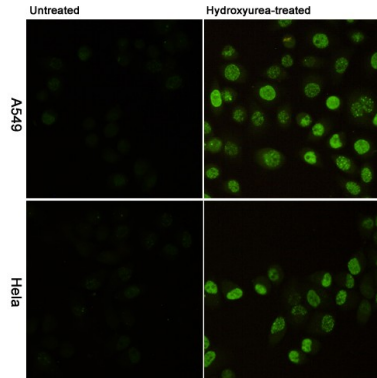


Western blot analysis of Phosphorylation of H2A.X at Serine 139 in 3T3 or Hydroxyureatreated 3T3 lysates using Phospho-Histone H2A.X (Ser139) antibody.

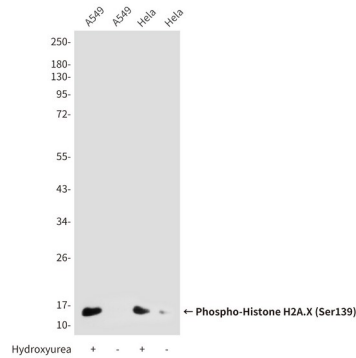


Immunofluorescence analysis of Phospho-Histone H2A.X (Ser139) (2A9) in 3T3 or Hydroxyureatreated 3T3 using Phospho-Histone H2A.X (Ser139) (2A9) antibody

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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).

Note

For research use only.