

**Product Name: Phospho-Histone H2A.X (Ser139) Rabbit
Monoclonal Antibody
Catalog #: AMRe03773**

Summary

Production Name	Phospho-Histone H2A.X (Ser139) Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
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	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
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 IP: 1/20
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa

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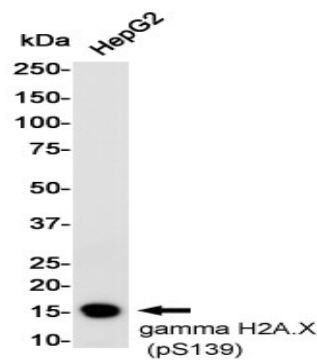
Background

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.

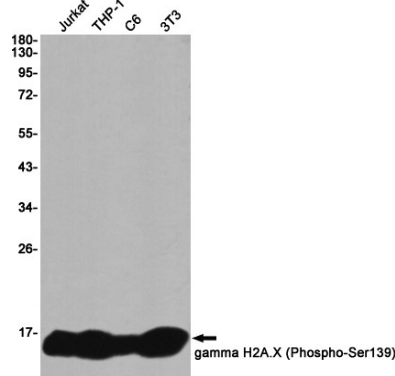
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of gamma H2A.X (Phospho-Ser139) in HepG2 lysates using Phospho-Histone H2A.X (Ser139) antibody.



Western blot analysis of gamma H2A.X (Phospho-Ser139) in Jurkat, THP-1, C6, 3T3 lysates using gamma H2A.X (Phospho-Ser139) antibody.

Note

For research use only.