

Product Name: Histone H2A.X Rabbit Monoclonal Antibody
Catalog #: AMRe03029

Summary

Production Name	Histone H2A.X Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
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% protective protein
Purification	Affinity Purification

Immunogen

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

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa

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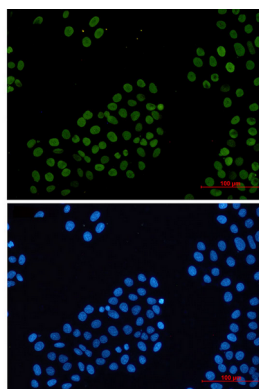
Background

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.

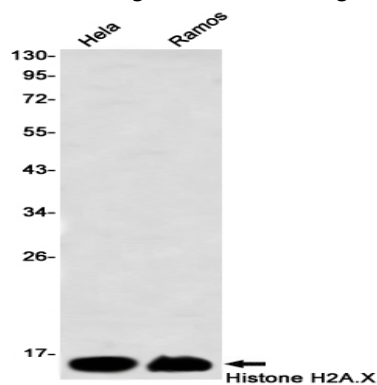
Research Area

Epigenetics and Nuclear Signaling

Image Data

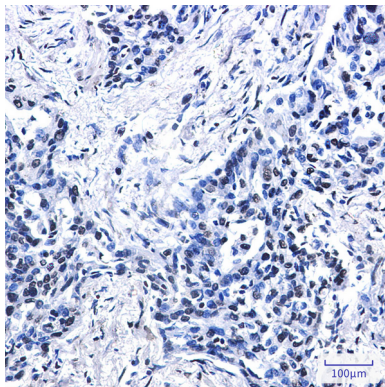


Immunocytochemistry analysis of Histone H2A.X (green) in HeLa using Histone H2A.X antibody, and DAPI(blue).



Western blot analysis of Histone H2A.X in HeLa, Ramos lysates using Histone H2A.X antibody.

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Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Histone H2A.X antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.