Product Name: Histone H2A.X Rabbit Monoclonal Antibody
Catalog #: AMRe02086

Summary

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

Performance

Conjugation	Unconjugated
Modification	Unmodified
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
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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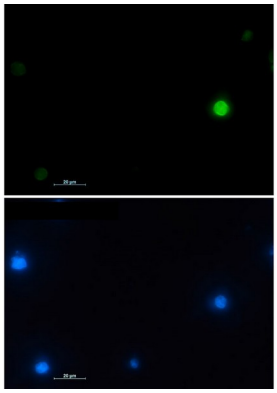
Background

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.

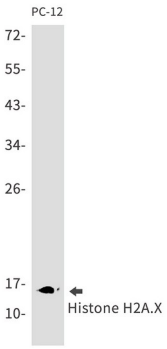
Research Area

Epigenetics and Nuclear Signaling

Image Data



Immunocytochemistry analysis of Histone H2A.X (green) in HL-60 using Histone H2A.X antibody,and DAPI(blue).



Western blot analysis of Histone H2A.X in PC-12 lysates using Histone H2A.X antibody.

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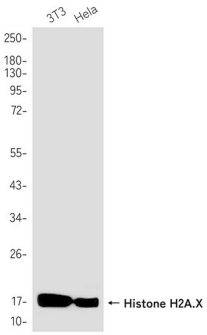
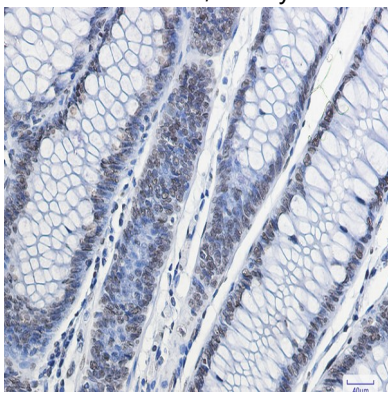


Western blot analysis of Histone H2A.X in 3T3, Hela lysates using Histone H2A.X antibody



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

Note

For research use only.