
Product Name: Hydroxyl-Histone H2A (Tyr39) Rabbit Polyclonal Antibody**Catalog #: APRab00686**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Hydroxylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 14 kDa; Observed MW: 14 kDa

Antigen Information

Gene Name	H2AC4 H2A.1; H2A/c; H2A1; H2AFC; H2AFD; H2AFI; H2AFN; H2AFP; HIST1H2AG; HIST1H2AI;
Alternative Names	HIST1H2AK; HIST1H2AL; HIST1H2AM; histone cluster 1; H2ai; Histone H2A type 1; Histone H2A/p
Gene ID	3012
SwissProt ID	P04908
Immunogen	A synthetic Hydroxylated peptide corresponding to residues target protein

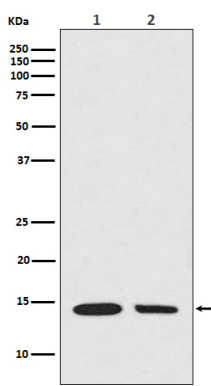
Background

Core component of nucleosome. 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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

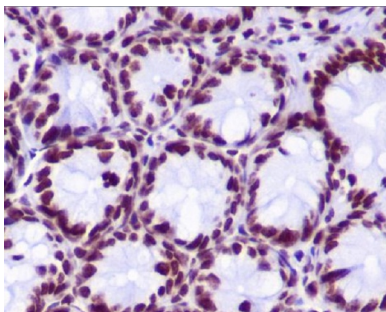
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of Calreticulin in (1) NIH/3T3 lysates; (2) A549 lysates using Hydroxyl-Histone H2A (Tyr39) antibody.



Immunohistochemistry analysis of paraffin-embedded mouse colon using Histone H2A (Hydroxyl- Y39) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.