

**Product Name: Histone H2A Rabbit Polyclonal Antibody**  
**Catalog #: APRab00051**



## Summary

<b>Production Name</b>	Histone H2A Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

## Immunogen

<b>Gene Name</b>	H2AC4
<b>Alternative Names</b>	HIST1H2AB; Histone H2A type 1-B/E; Histone H2A.2; Histone H2A/a; Histone H2A/m; H2AFM
<b>Gene ID</b>	3012
<b>SwissProt ID</b>	P04908.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 14 kDa; Observed MW: 14 kDa

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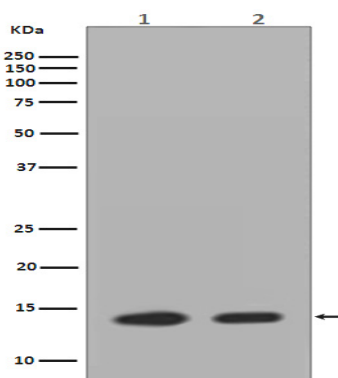
## Background

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.

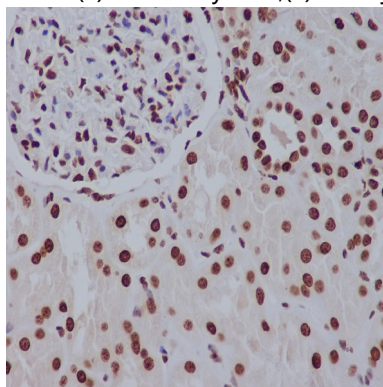
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Histone H2A.Z in (1) Neuro2a lysates; (2) HeLa lysates using Histone H2A antibody.



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

## Note

For research use only.