

# Histone H2A Rabbit mAb

Catalog No.: A3692

Recombinant

7 Publications

## Basic Information

### Observed MW

14kDa

### Calculated MW

14kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IP

### Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

### CloneNo number

ARC2072

## Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:100 - 1:500

IP 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

## Immunogen Information

### Gene ID

3012/8329

### Swiss Prot

P04908/P0C0S8


### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H2A (P04908).

### Synonyms

H2A.1; H2A.2; H2A/a; H2AC4; H2AFA; HIST1H2AE; Histone H2A

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

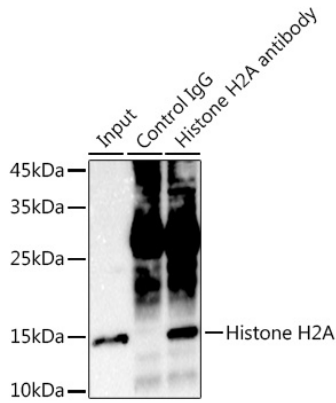
Affinity purification

### Storage

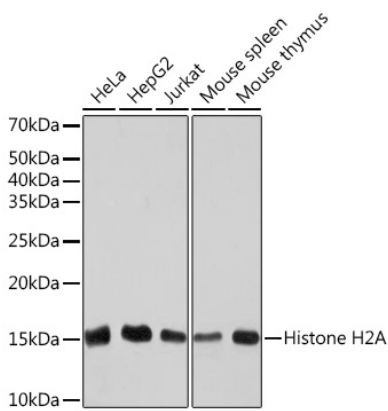
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

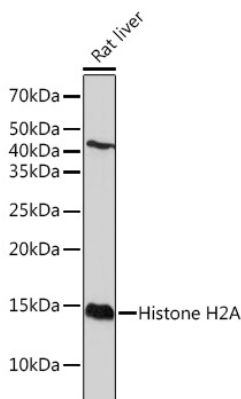
## Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Histone H2A antibody (A3692). Western blot was performed from the immunoprecipitate using Histone H2A antibody (A3692) at a dilution of 1:1000.

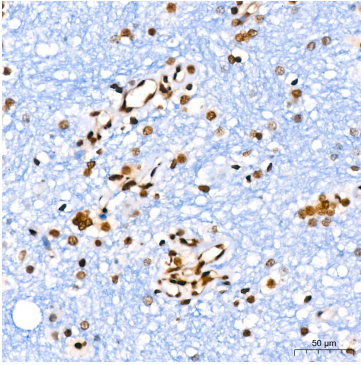


Western blot analysis of various lysates using Histone H2A Rabbit mAb (A3692) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

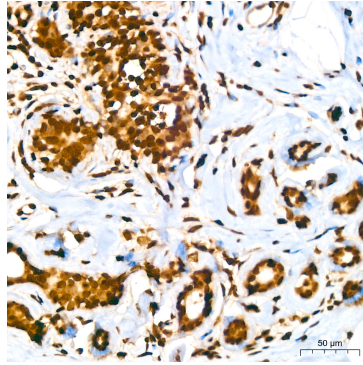


Western blot analysis of lysates from Rat liver, using Histone H2A Rabbit mAb (A3692) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

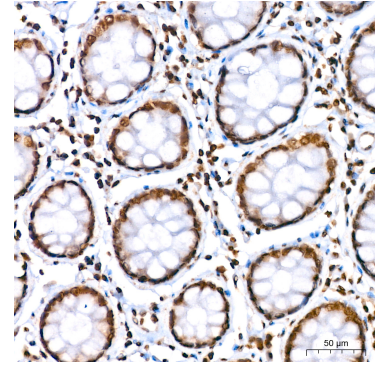
## Validation Data



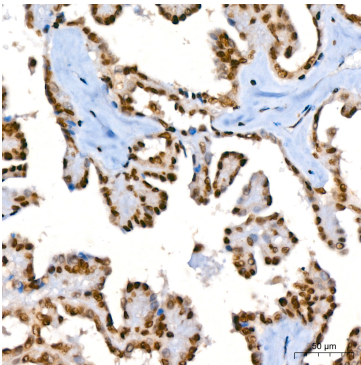
Immunohistochemistry analysis of Histone H2A in paraffin-embedded human brain using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



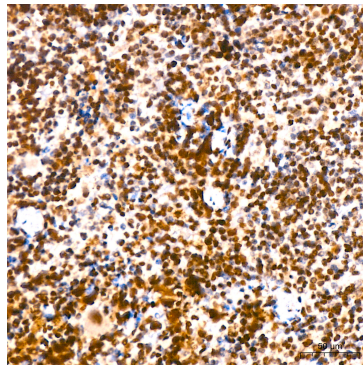
Immunohistochemistry analysis of Histone H2A in paraffin-embedded human breast using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



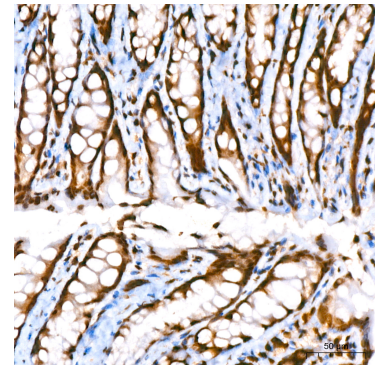
Immunohistochemistry analysis of Histone H2A in paraffin-embedded human colon using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



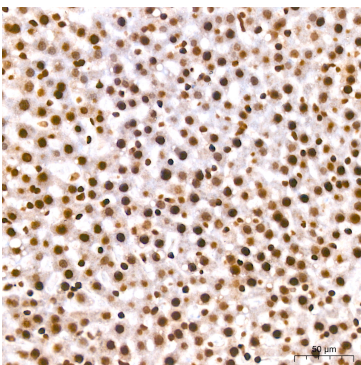
Immunohistochemistry analysis of Histone H2A in paraffin-embedded human thyroid cancer using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Histone H2A in paraffin-embedded mouse spleen using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Histone H2A in paraffin-embedded rat colon using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Histone H2A in paraffin-embedded rat liver using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.