

A3692

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# Histone H2A Rabbit mAb

Catalog No.: A3692 **Recombinant** **7 Publications**

## Basic Information

### Observed MW

14kDa

### Calculated MW

14kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

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

### CloneNo number

ARC2072

## 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.

## 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

## 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



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

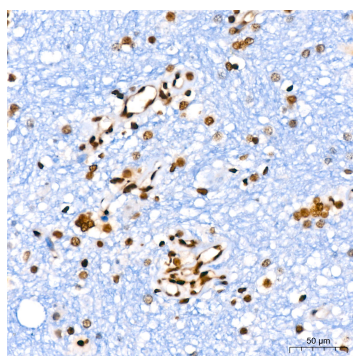
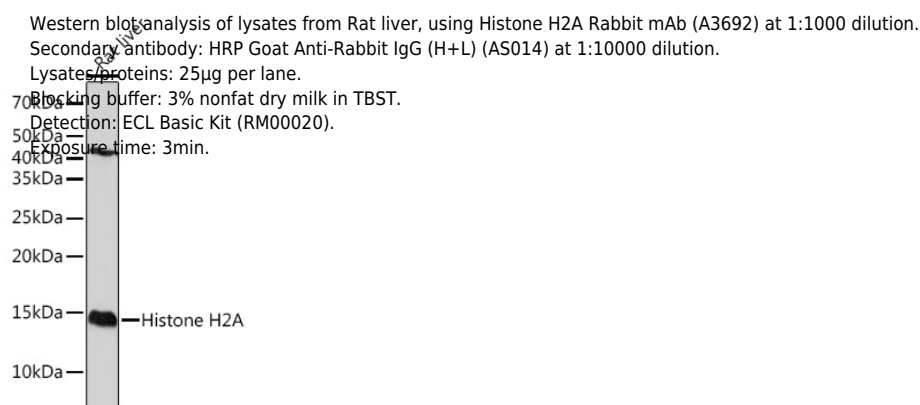
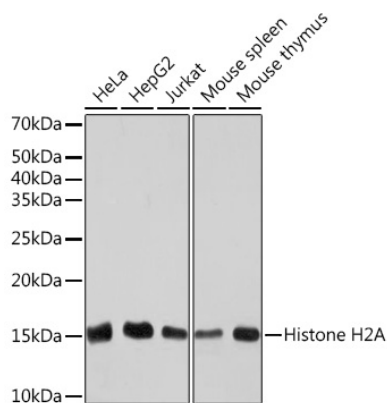
Affinity purification

### Storage

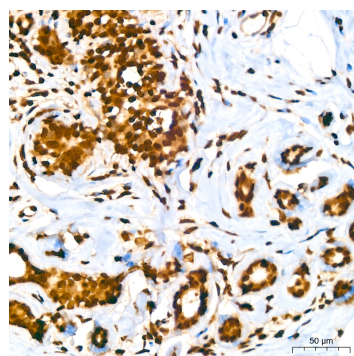
Store at -20°C. Avoid freeze / thaw cycles.

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

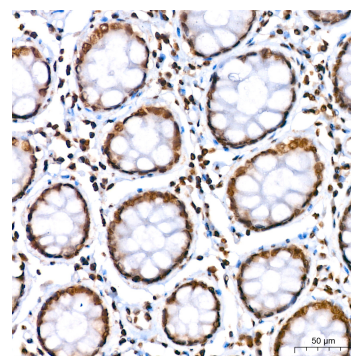
## Validation Data



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.

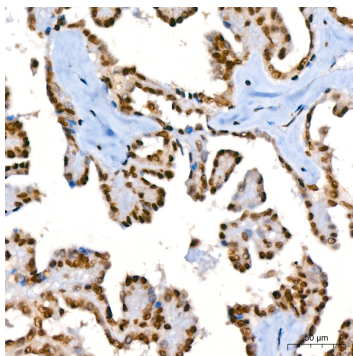


Immunohistochemistry analysis of Histone H2A in paraffin-embedded human breast using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

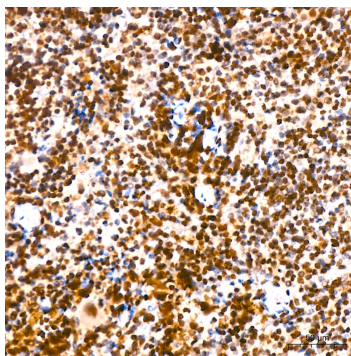


Immunohistochemistry analysis of Histone H2A in paraffin-embedded human colon using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

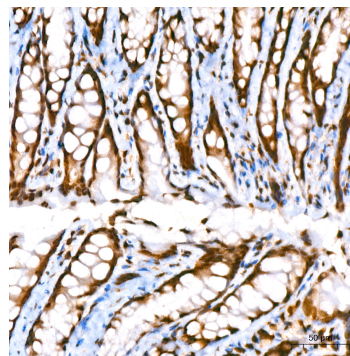
## Validation Data



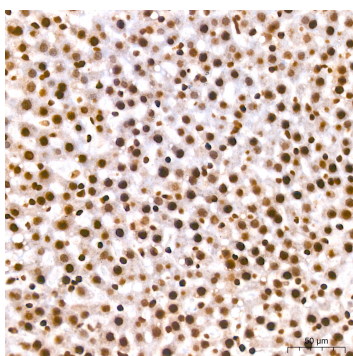
Immunohistochemistry analysis of Histone H2A in paraffin-embedded human thyroid cancer using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



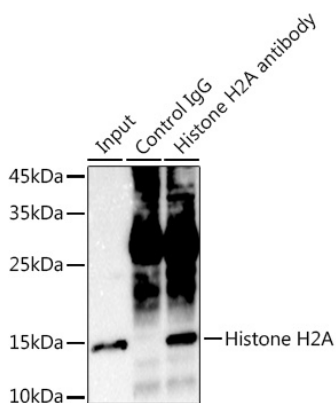
Immunohistochemistry analysis of Histone H2A in paraffin-embedded mouse spleen using Histone H2A Rabbit mAb (A3692) at dilution of 1:400 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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.



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