

# Histone H1.2 Rabbit mAb

Catalog No.: A0646

Recombinant

1 Publications

## Basic Information

### Observed MW

32kDa

### Calculated MW

21kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC

### Cross-Reactivity

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

### CloneNo number

ARC1836

## Background

Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

## Recommended Dilutions

WB 1:1000 -1:5000

IF/ICC 1:50 - 1:500

## Immunogen Information

### Gene ID

3006

### Swiss Prot

P16403

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H1.2 (P16403).

### Synonyms

H1C; H1.2; H1F2; H1s-1; HIST1H1C; Histone H1.2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

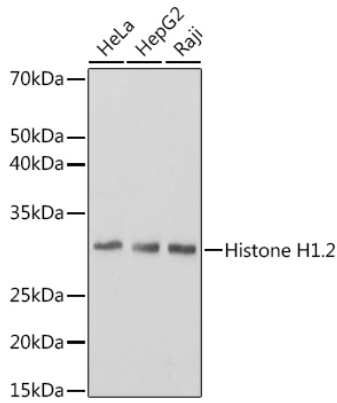
Affinity purification

### Storage

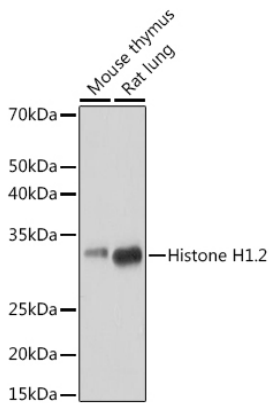
Store at -20°C. Avoid freeze / thaw cycles.

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

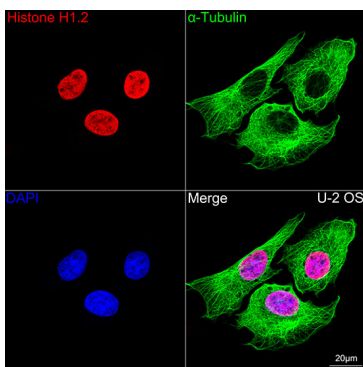
## Validation Data



Western blot analysis of various lysates using Histone H1.2 Rabbit mAb (A0646) at 1:3000 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: 1s.



Western blot analysis of various lysates using Histone H1.2 Rabbit mAb (A0646) at 1:3000 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 Enhanced Kit (RM00021).  
Exposure time: 180s.



Confocal imaging of U-2 OS cells using Histone H1.2 Rabbit mAb (A0646, dilution 1:100) (Red). The cells were counterstained with alpha-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.