

# HIST1H1A Rabbit pAb

**Catalog No.: A20522**

## Basic Information

**Observed MW**

22kDa

**Calculated MW**

22kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IF/ICC

**Cross-Reactivity**

Human, Mouse

## 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** 1:500 - 1:1000**IF/ICC** 1:50 - 1:200

## Immunogen Information

**Gene ID**

3024

**Swiss Prot**

Q02539

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 116-168 of human HIST1H1A (NP\_005316.1).

**Synonyms**

H1A; H1.1; H1F1; HIST1; HIST1H1A

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

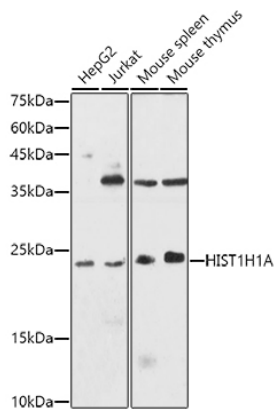
Affinity purification

**Storage**

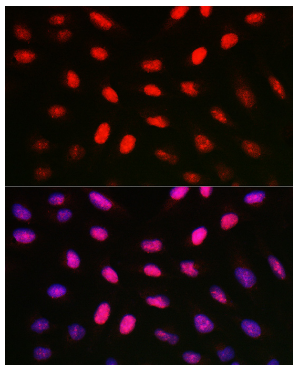
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using H2A antibody (A20522) 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 Enhanced Kit (RM00021).  
Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using H2A Rabbit pAb (A20522) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.