# Histone H1.4 Rabbit pAb

Catalog No.: A20550 1 Publications



## **Basic Information**

## **Observed MW**

30kDa

#### **Calculated MW**

22kDa

## Category

Primary antibody

## **Applications**

WB,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID**3008

Swiss Prot
P10412

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

# **Synonyms**

H1E; H1.4; H1F4; RMNS; H1s-4; HIST1H1E; dJ221C16.5; Histone H1.4

## **Contact**

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## **Product Information**

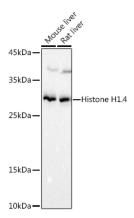
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Western blot analysis of various lysates using Histone H1.4 Rabbit pAb (A20550) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.