

# Phospho-Histone H1.3-T17/Histone H1.4-T17 Rabbit mAb

Catalog No.: AP1132 **Recombinant** **2 Publications**

## Basic Information

**Observed MW**

30kDa

**Calculated MW**

30kDa

**Category**

Primary antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC0252

## 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**

3007/3008

**Swiss Prot**

P16402/P10412

**Immunogen**

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

**Synonyms**

H1.3; H1D; H1F3; H1s-2; Phospho-Histone H1.3-T17/Histone H1.4-T17

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

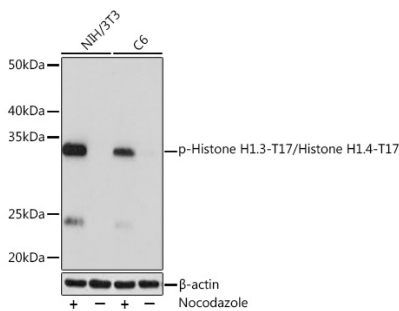
Affinity purification

**Storage**

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

# Validation Data



Western blot analysis of various lysates using Phospho-Histone H1.3-T17/Histone H1.4-T17 Rabbit mAb (AP1132) at 1:1000 dilution. Both NIH/3T3 cells and C6 cells were treated with Nocodazole (50 ng/mL) at 37°C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.