

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

Catalog No.: AP1132 **Recombinant**

Basic Information

Observed MW

30kDa

Calculated MW

30kDa

Category

Primary antibody

Applications

ELISA, WB

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

Immunogen Information

Gene ID

3007/3008

Swiss Prot

P16402/P10412

Immunogen

A synthetic phosphorylated peptide around T17 of human Histone H1.3H13 (NP_005311.1).

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

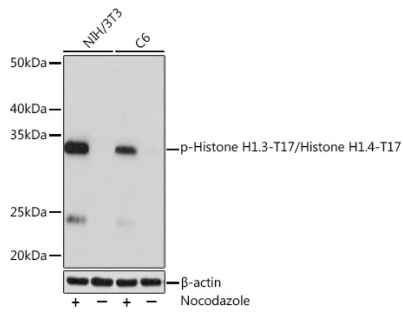
Affinity purification

Storage

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

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

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 by 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.