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

Catalog No.: AP1132 Recombinant 2 Publications

Basic Information

Observed MW
30 kDa

Calculated MW
30 kDa

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 - 1:2000
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

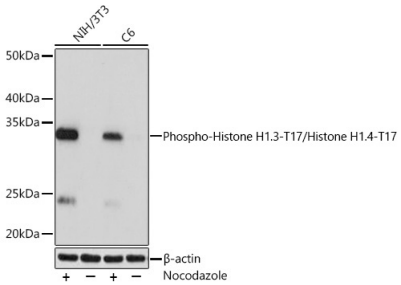
Source
Rabbit

Isotype
IgG

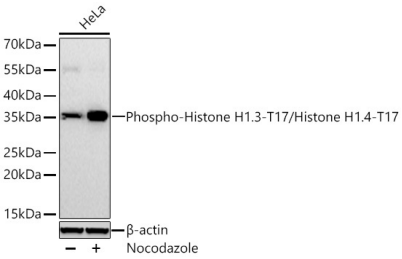
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, 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 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℃ for 20 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Western blot analysis of lysates from HeLa cells using Phospho-Histone H1.3-T17/Histone H1.4-T17 Rabbit mAb (AP1132) at 1:2000 dilution incubated at room temperature for 1.5 hours. HeLa cells were treated with Nocodazole (100 ng/ml) at 37℃ for 16 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.