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Phospho-Histone H3.3-T3 Rabbit mAb

Catalog No.: AP1152 Recombinant

Basic Information

Observed MW
16kDa

Calculated MW
15kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo number
ARC1662

Background

Histones are basic nuclear proteins that are responsible for the 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 contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
8290/8350

Swiss Prot
Q16695/P68431

Immunogen
A synthetic phosphorylated peptide around T3 of human Histone H3 (P84243).

Synonyms
H3F3; H3-3B; H3.3A; H3F3A; BRYLIB1; Phospho-Histone H3.3-T3

Contact

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Product Information

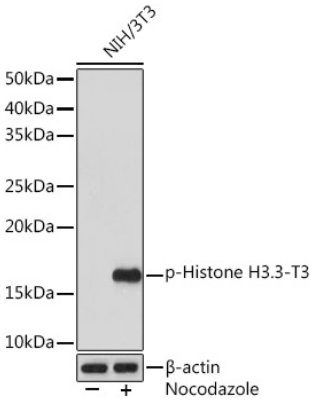
Source
Rabbit

Isotype
IgG

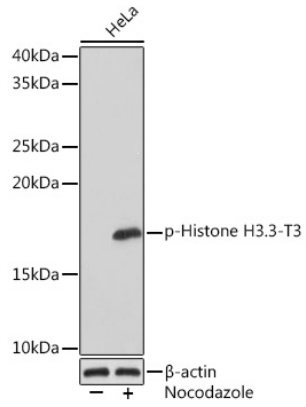
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

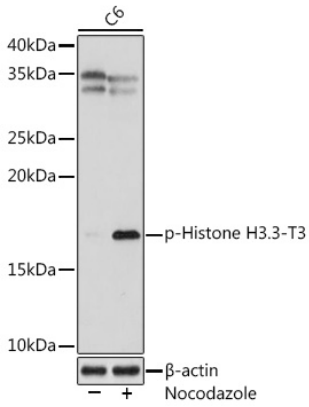
Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Histone H3.3-T3 Rabbit mAb (AP1152) at 1:1000 dilution. NIH/3T3 cells were treated by 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: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



Western blot analysis of lysates from HeLa cells, using Phospho-Histone H3.3-T3 Rabbit mAb (AP1152) at 1:1000 dilution. HeLa cells were treated by 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: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Western blot analysis of lysates from C6 cells, using Phospho-Histone H3.3-T3 Rabbit mAb (AP1152) at 1:1000 dilution. C6 cells were treated by 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: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.