

# Phospho-Histone H3.3-T3 Rabbit mAb

Catalog No.: AP1152 **Recombinant**

## Basic Information

### Observed MW

17kDa

### Calculated MW

15kDa

### Category

Primary antibody

### Applications

WB, ELISA

### 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

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

## Immunogen Information

### Gene ID

8290/8350

### Swiss Prot

Q16695/P68431

### Immunogen

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

### 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

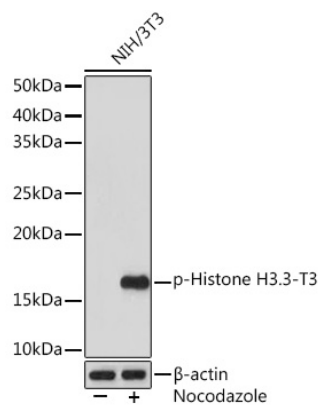
Affinity purification

### Storage

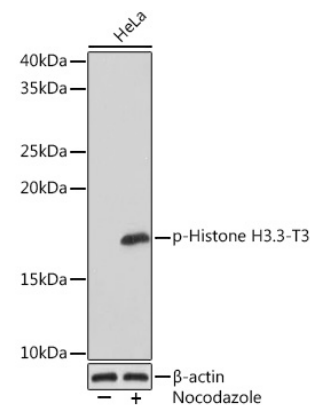
Store at -20°C. Avoid freeze / thaw cycles.

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

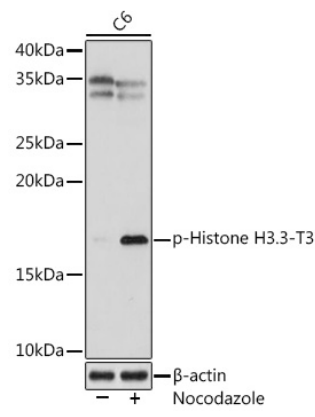
Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Histone H3.3-T3 Rabbit mAb (AP1152) at 1:1000 dilution. NIH/3T3 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 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 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.



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 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 Enhanced Kit (RM00021). Exposure time: 90s.