Phospho-Histone H3-S10 Rabbit Polyclonal Antibody

CABP0840

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

17KDa

Calculated MW:

15kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat, Other (Wide Range)

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Immunogen information

Gene ID:
8290

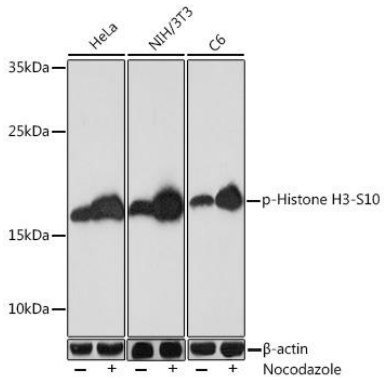
Uniprot
Q16695

Synonyms:
H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A

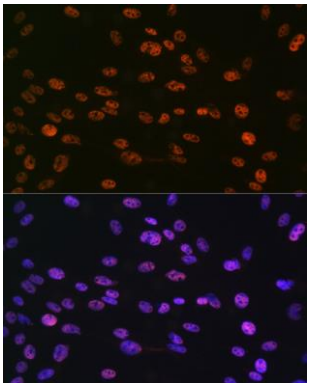
Immunogen:
A synthetic phosphorylated peptide around S10 of human Histone H3 (NP_003484.1).

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

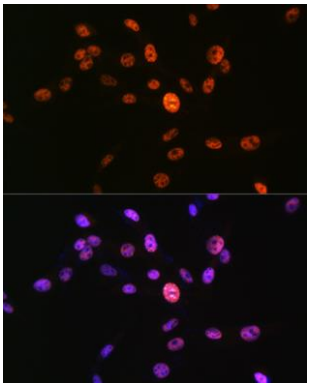
Product Images



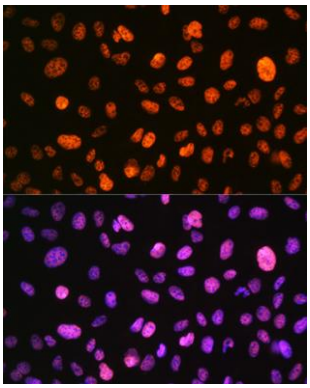
Western blot analysis of extracts of various cell lines, using Phospho-Histone H3-S10 Rabbit pAb (CABP0840) at 1:1000 dilution.HeLa cells and NIH/3T3 cells and C6 cells were treated by Nocodazole (50 ng/ml) at 37'C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunofluorescence analysis of C6 cells using Phospho-Histone H3-S10 Rabbit pAb (CABP0840) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Phospho-Histone H3-S10 Rabbit pAb (CABP0840) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Phospho-Histone H3-S10 Rabbit pAb (CABP0840) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

