

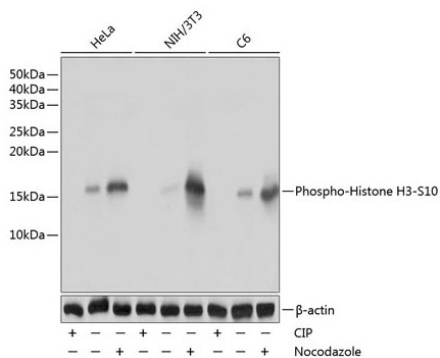


Product name:	Phospho-Histone H3-S10 Rabbit mAb
Cat number:	MAB0002
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC0003
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthetic peptide. This information is considered to be commercially sensitive
Reactivity:	Human, Mouse, Rat, Other (Wide Range Predicted)
Applications:	WB 1:500 - 1:1000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200 ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	17kDa
Purification:	Affinity purification
Form:	liquid
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Synonyms:	H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Phospho-Histone H3-S10
Source:	Rabbit
Endotoxin:	PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3.

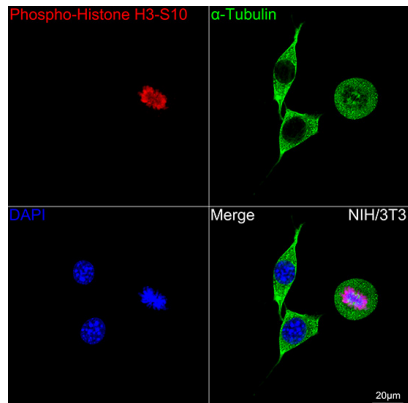
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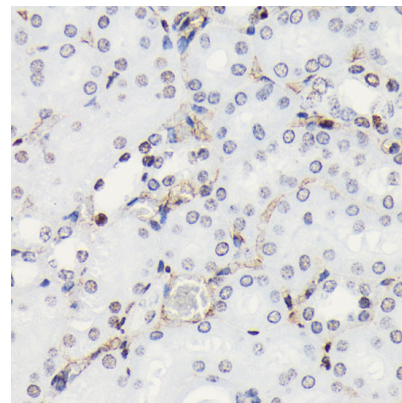
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



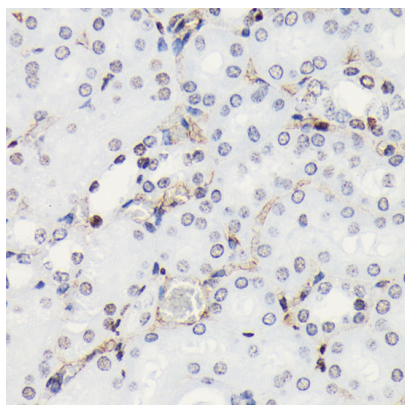
Western blot analysis of lysates from HeLa,NIH/3T3,C6 cells using Phospho-Histone H3- S10 Rabbit mAb at 1:1000 dilution. HeLa,NIH/3T3 and C6 cells were treated with nocodazole (50 ng/mL) at 37°C for 20 hours or treated with CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 1s.



Confocal imaging of NIH/3T3 cells using Phospho-Histone H3-S10 Rabbit mAb (AP0002, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (, dilution 1:500) (Red). The cells were counterstained with alpha- Tubulin Mouse mAb (dilution 1:400) followed by incubation with Alexa Fluro 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human oophoroma using Phospho-Histone H3-S10 Rabbit mAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.05M Tris/EDTA Buffer (pH 8.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-Histone H3-S10 Rabbit mAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.05M Tris/EDTA Buffer (pH 8.0) prior to IHC Staining

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