

Product Data Sheet: Phospho Histone H3 (Ser10) Rabbit Polyclonal Antibody

Cat. No: ABP-0639

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen:

The antiserum was produced against synthesized peptide derived from human

Histone H3.1 around the phosphorylation site of Ser10. AA range:1-50

Reactivity: Human; Mouse; Rat; Drosophila melanogaster

Western Blot: 1/500 - 1/2000

Immunohistochemistry: 1/100 - 1/300

Applications: Immunocytochemistry: 1/200 – 1/1000 Immunofluorescence: 1/200 – 1/1000

ELISA: 1/10000. IHC-f,Flow Cyt 1:500

Molecular Weight: 17kDa

Synonyms:

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E;

H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3I; H3FI; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone

H3/d: Histone H3

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,

Background: H1,

with the DNA between the nucleosomes to form higher order chromatin $% \left(1\right) =\left(1\right) \left(1\right)$

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.

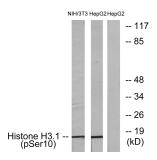
Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

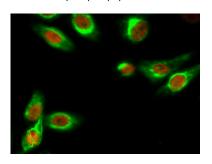
Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.



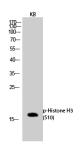
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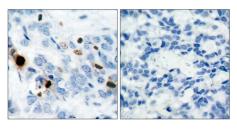
Western blot analysis of lysates from NIH/3T3 cells and HepG2 cells, using Histone H3.1 (Phospho-Ser10) Antibody. The lane on the right is blocked with the phospho peptide.



Immunofluorescence analysis of Hela cell. 1,Histone H3 (phospho Ser10)
Polyclonal Antibody(red) was diluted at 1:200(4° overnight). β-Tubulin
Monoclonal Antibody(5G3)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min).
Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).



Western Blot analysis of KB cells using Phospho-Histone H3 (S10) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Histone H3.1 (Phospho-Ser10) Antibody. The picture on the right is blocked with the phospho peptide.

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