

#11184

Histone H3.1 (Phospho-Ser10) Antibody



Catalog: #11184-1 50µl **Orders:** order@signalwayantibody.com
#11184-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com

Application	Species Reactivity	Source	Molecular Wt.
WB IHC IF	Human Mouse Rat	Rabbit Polyconal Ab	17KD

Description: Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Specificity: The antibody detects endogenous level of Histone H3.1 only when phosphorylated at serine 10.

Immunogen: Peptide sequence around phosphorylation site of serine 10 (R-K-S(p)-T-G) derived from Human Histone H3.1.

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Synonyms: H3/a H3/c H3/d H3/f H3/h

Accession No.: Swiss-Prot#: P68431 NCBI Gene#: 8351
NCBI Protein#: NP_003521.2

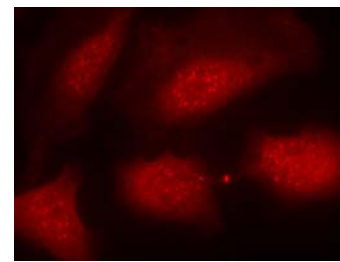
Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

References:

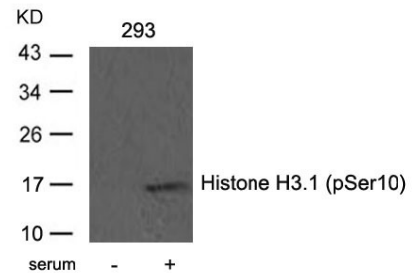
Dai J, et al. (2005) *Genes Dev* 19(4): 472-488.
Yih LH, et al. (2005) *Carcinogenesis* 26(1): 53-63.

Recommended Dilutions:

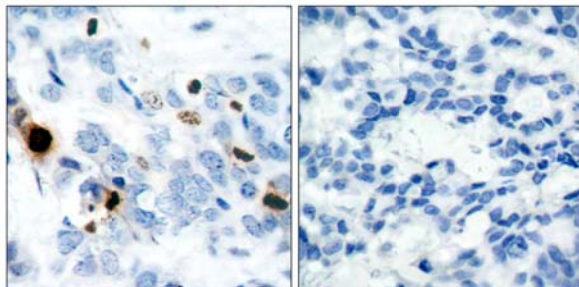
Western blotting 1:500~1:1000
Immunohistochemistry 1:50~1:100
Immunofluorescence 1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells using Histone H3.1 (Phospho-Ser10) Antibody #11184.



Western blot analysis of extracts from 293 cells untreated or treated with serum using Histone H3.1 (Phospho-Ser10) Antibody #11184.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3.1 (Phospho-Ser10) Antibody #11184 (left) or the same antibody preincubated with blocking peptide (right).

Citation:

If you publish research using #11184 please [let us know](#).

Related Pathway: MAPK, Chromatin/Transcription,

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.