Histone H3.1(Phospho-Ser10) Antibody

Catalog No: #11184

Package Size: #11184-1 50ul #11184-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Histone H3.1(Phospho-Ser10) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Histone H3.1 onlywhen phosphorylated at serine 10.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 10 (R-K-S(p)-T-G) derived from Human Histone H3.1.
Target Name	Histone H3.1
Modification	Phospho
Other Names	H3/b, H3FB
Accession No.	Swiss-Prot: P68431NCBI Protein: NP_003521.2
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
SDS-PAGE MW	17
Concentration	1.0mg/ml
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.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

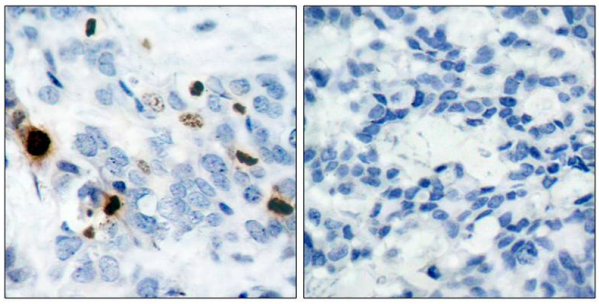
Predicted MW: 17kd

Western blotting: 1:500~1:1000

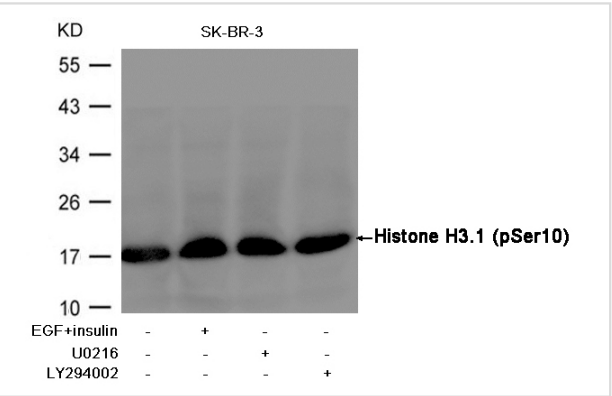
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

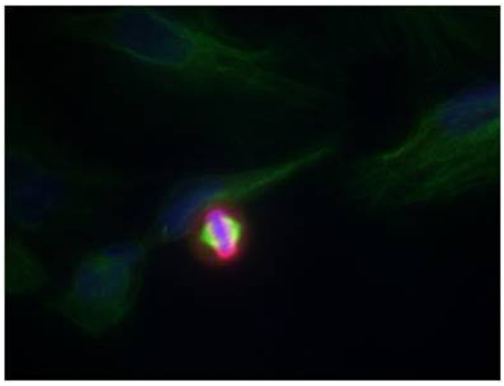
Images



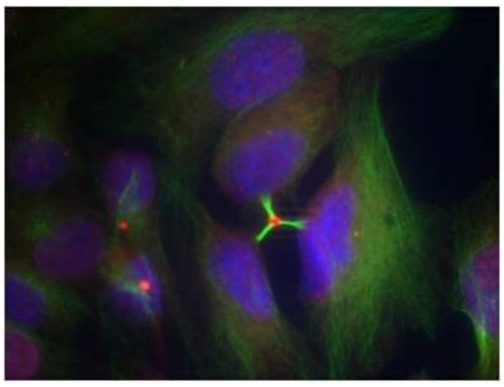
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Histone H3.1(Phospho-Ser10) Antibody #11184(left) or the same antibody preincubated with blocking peptide(right).



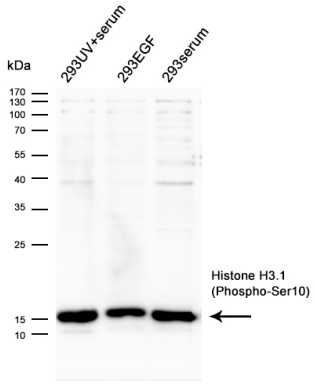
Western blot analysis of extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0126 and LY294002 cells using Histone H3.1 (Phospho-Ser10) Antibody #11184.



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



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



Western blot analysis of extracts of various cell lines, using Histone H3.1(Phospho-Ser10) Antibody #11184

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.

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

Note: This product is for in vitro research use only