

Histone H3(Phospho-Ser10) Rabbit Polyclonal Antibody

Catalog No: #12084

Package Size: #12084-1 50ul #12084-2 100ul

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

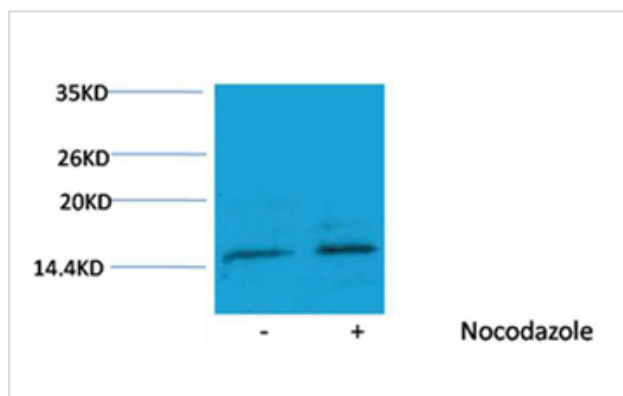
Description

Product Name	Histone H3(Phospho-Ser10) Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB;IHC;IF;FC
Species Reactivity	Human;Mouse;Rat
Specificity	The Histone H3(Phospho Ser10) Rabbit Polyclonal Antibody detects endogenous Histone H3(Phospho Ser10) protein.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 10(R-K-S(p)-T-G) derived from Human Histone H3.
Conjugates	Unconjugated
Target Name	Histone H3(Phospho-Ser10)
Modification	Phospho
Other Names	H3 histone antibody; HIST1H3A antibody; Histone cluster 1; H3a antibody
Accession No.	Swiss-Prot#:P68431
SDS-PAGE MW	15-17kd
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C

Application Details

WB 1:500-1:2000; IHC 1:100-1:300 IF 1:200-1:1000 FC 1:500

Images



Western blot analysis of extracts from Hela cells, untreated (-) or treated with Nocodazole (1µg/ml, 24 hr; +), using #12084 diluted at 1:1,000.

Background

Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.

Published Papers

el at., Pseudolaric acid B induces mitotic arrest and apoptosis in both imatinib-sensitive and -resistant chronic myeloid leukaemia cells.In Eur J Pharmacol on 2020 Jun 5; by Jiang L, Wen C, et al..PMID: 32179085, , (2020)

[PMID:32179085](#)

el at., Local generation of fumarate promotes DNA repair through inhibition of histone H3 demethylation.In Nat Cell Biol on 2015 Sep by Yuhui Jiang, Xu Qian et al..PMID:26237645, , (2015)

[PMID:26237645](#)

el at., Pseudolaric acid B induces mitotic arrest and apoptosis in both 5-fluorouracil-sensitive and-resistant colorectal cancer cells.In Cancer Lett on 2016 Dec 28 by Chuangyu Wen , Junxiong Chen et al..PMID: 27713084, , (2016)

[PMID:27713084](#)

el at., PKM2 regulates chromosome segregation and mitosis progression of tumor cells.In Mol Cell on 2014 Jan 9 by Yuhui Jiang, Xinjian Li et al..PMID: 24316223, , (2014)

[PMID:24316223](#)

el at., Focused screening of mitochondrial metabolism reveals a crucial role for a tumor suppressor Hbp1 in ovarian reserve.In Cell Death Differ on 2016 Oct by Z Dong , M Huang et al..PMID:27206316 , , (2016)

[PMID:27206316](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.