

Histone H3.1(Ab-10) Antibody

Catalog No: #21137



Package Size: #21137-1 50ul #21137-2 100ul #21137-4 25ul

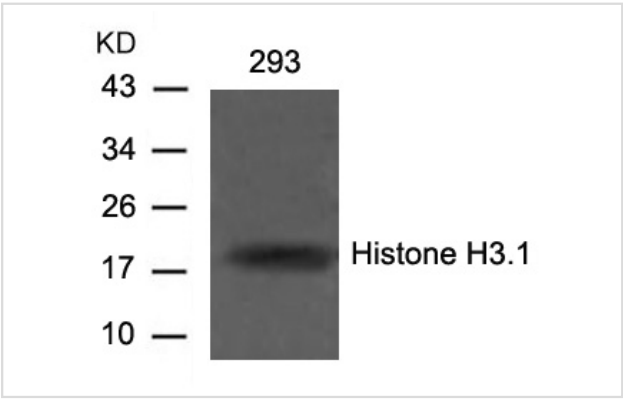
Overview

Product Name	Histone H3.1(Ab-10) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Histone H3.1
Alternative Names	H3/a; H3/c; H3/d; H3/f; H3/h

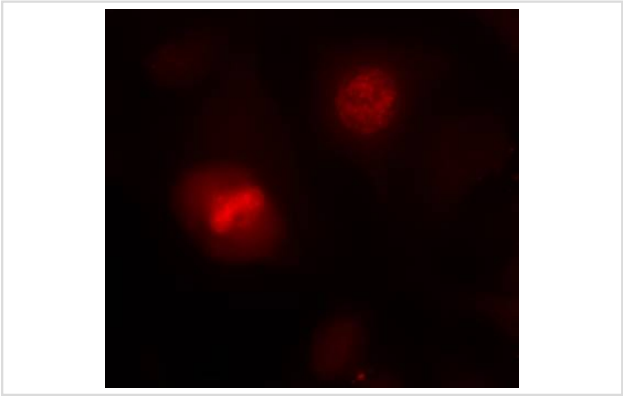
Application Details

Predicted MW: 17kd
Western blotting: 1:500~1:1000
Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from 293 cells using Histone H3.1(Ab-10) Antibody #21137.



Immunofluorescence staining of methanol-fixed HeLa cells using Histone H3.1(Ab-10) Antibody #21137.

Descriptions

Immunogen	Peptide sequence around aa.8~12 (R-K-S-T-G) derived from Human Histone H3.1.
Specificity	The antibody detects endogenous level of total Histone H3.1 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.
Accession NO.	Swiss-Prot: P68431NCBI Protein: NP_003521.2

Related Information

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.

Workman, J.L. and Kingston, R.E. (1998) Annu Rev Biochem 67, 545-79.

Hansen, J.C. et al. (1998) Biochemistry 37, 17637-41.

Strahl, B.D. and Allis, C.D. (2000) Nature 403, 41-5.

Cheung, P. et al. (2000) Cell 103, 263-71.

Published Papers

C.Y. MA, C.P. ZHANG, L.P. ZHONG et al., Decreased expression of profilin 2 in oral squamous cell carcinoma and its clinicopathological implications., ONCOLOGY REPORTS, 26: 813-823(2011)

[PMID:21725608](#)

Chao Yu, Ting Shan, Aiwon Feng et al., Triptolide ameliorates Crohn's colitis is associated with inhibition of TLRs/NF- κ B signaling pathway, Fitoterapia, 82(4):709-715(2011)

[PMID:21376787](#)

Chen S, Evans HG, Evans DR et al., FLASH Knockdown Sensitizes Cells To Fas-Mediated Apoptosis via Down-Regulation of the Anti-Apoptotic Proteins,MCL-1 and Cflip Short., PLoS ONE, 7(3): e32971(2012)

[PMID:22427918](#)

Guo-Dong Li, Xi Zhang, Rong Li et al., CHP2 activates the calcineurin/NFAT signaling pathway and enhances the oncogenic potential of HEK293 cells, JBC, 283 (47): 32660B`C32668(2008)

[PMID:18815128](#)

Xiangyang Yao, Fenfen Zhu, Zhihui Zhao et al., Arctigenin Enhances Chemosensitivity of Cancer Cells to Cisplatin Through Inhibition of the STAT3 Signaling Pathway., Journal of Cellular Biochemistry, 112(10):2837B`C2849(2011)

[PMID:21608020](#)

Yingyi Zhang, Yu Zhao, Hang Li et al., Cancer Cells Phosphorylation of Both Proteins in Breast on Interacting with c-Fos and Hepatitis B X-interacting Protein Depends The Nuclear Import of Oncoprotein., J. Biol. Chem., 288(26):18961-18974(2013)

[PMID:23667255](#)

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