

Histone H3.1(Ab-10) Antibody

Catalog No: #21137

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

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Description

Product Name	Histone H3.1(Ab-10) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Histone H3.1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.8~12 (R-K-S-T-G) derived from Human Histone H3.1.
Conjugates	Unconjugated
Target Name	Histone H3.1
Other Names	H3/a; H3/c; H3/d; H3/f; H3/h
Accession No.	Swiss-Prot: P68431NCBI Protein: NP_003521.2
Concentration	1.0mg/ml
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.

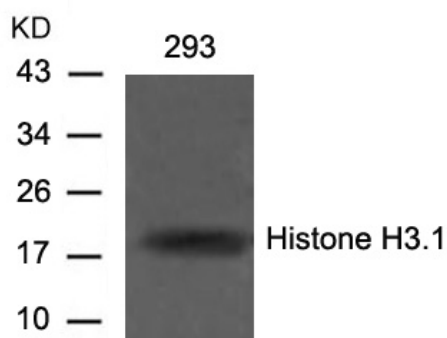
Application Details

Predicted MW: 17kd

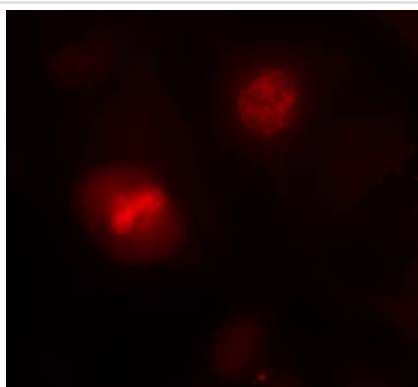
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

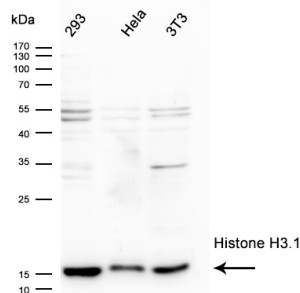
Images



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.



Western blot analysis of extracts of various cell lines, using Histone H3.1(Ab-10) Antibody #21137

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. 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.

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