

## Histone H3.1(Ab-10) Antibody

Catalog No: #21137

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## 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.  |
| 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   |
| Uniprot               | P68431  |
| GeneID                | 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.   |

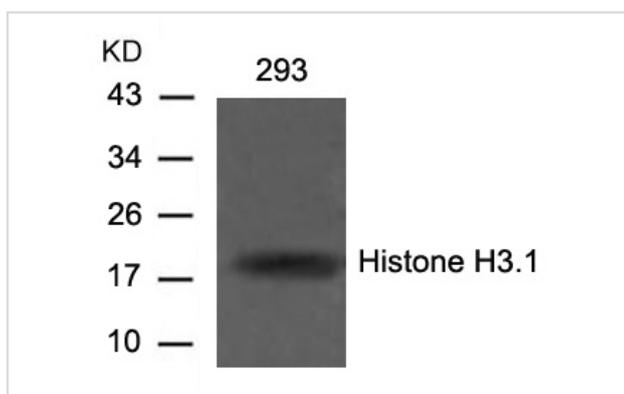
## Application Details

Predicted MW: 17kd

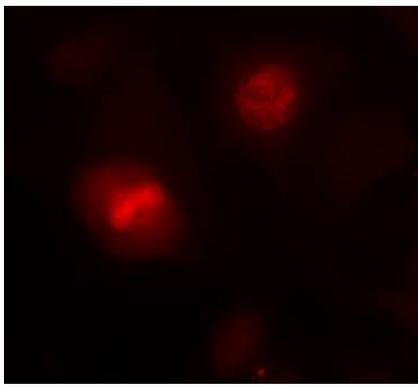
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

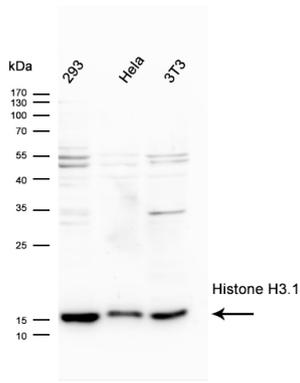
## Images



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.

Note: This product is for in vitro research use only