

Histone H3.1 Antibody

Catalog No: #48540

Package Size: #48540-1 50ul #48540-2 100ul

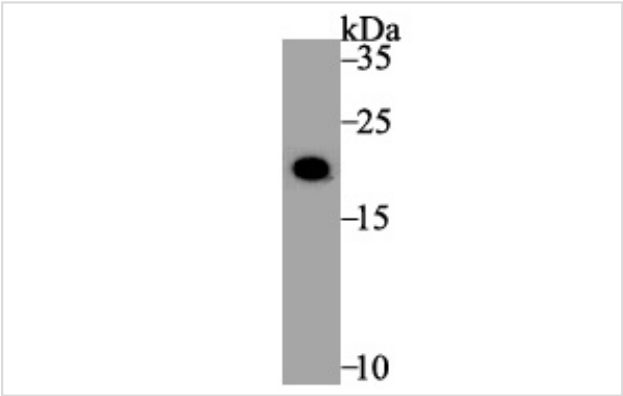
Description

Product Name	Histone H3.1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified.
Applications	WB,ICC,IHC
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic peptide of N-terminal human Histone H3.1.
Conjugates	Unconjugated
Accession No.	Swiss-Prot#:P68431
Calculated MW	15.4 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

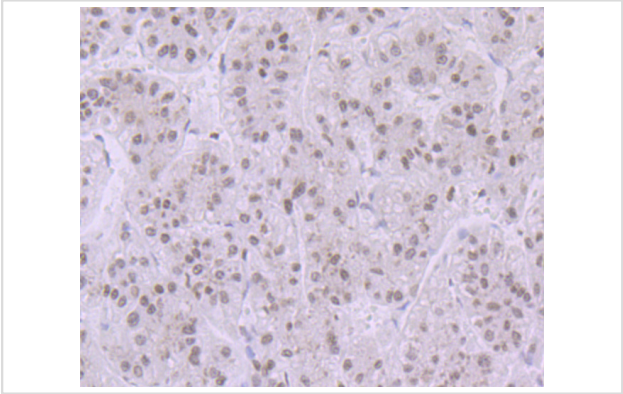
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

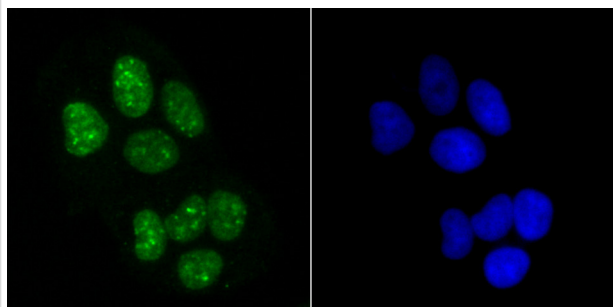
Images



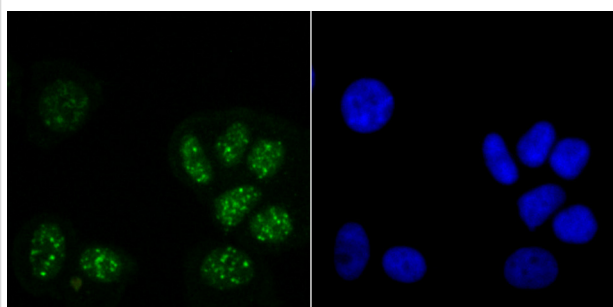
Western blot analysis of Histone H3.1 on F9 cell lysate using anti-Histone H3.1 antibody at 1/1,000 dilution.



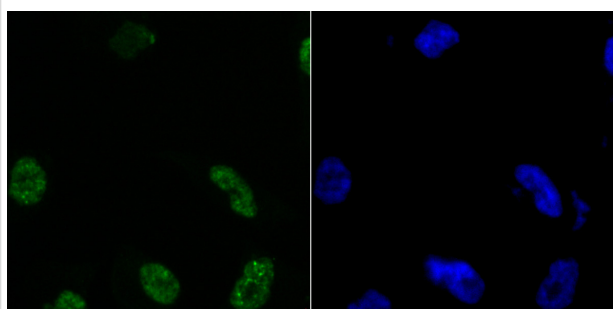
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Histone H3.1 antibody. Counter stained with hematoxylin.



ICC staining Histone H3.1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H3.1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Histone H3.1 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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.

References

Published Papers

Florian Forster;Wolfgang Paster;Verena Supper;Philipp Schatzlmaier;Stefan Sunzenauer;Nicole Ostler;Anna Saliba;Paul Eckerstorfer;Nathalie Britzen-Laurent;Gerhard Schuetz;Johannes A. Schmid;Gerhard J. Zlabinger;Elisabeth Naschberger;Michael Stuerzl;Hannes Stockinger et al., Guanylate Binding Protein 1-Mediated Interaction of T Cell Antigen Receptor Signaling with the Cytoskeleton, , (2014)

[PMID:24337748](https://pubmed.ncbi.nlm.nih.gov/24337748/)

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