

# Histone H3.1 Antibody

Catalog No: #48540



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

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

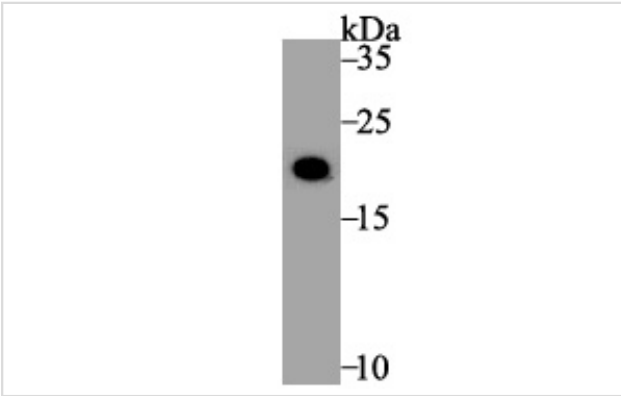
## Description

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.
Accession No.	Swiss-Prot#:P68431
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
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

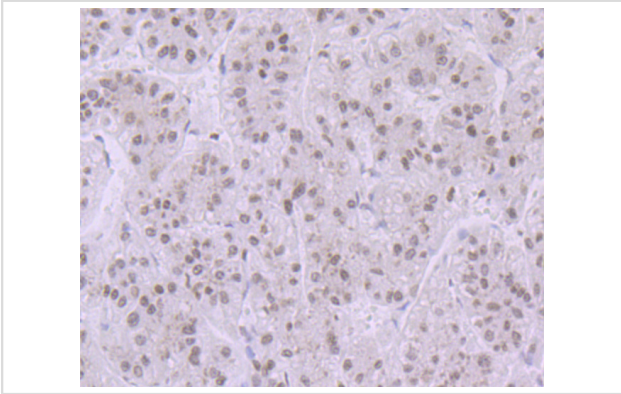
## Application Details

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

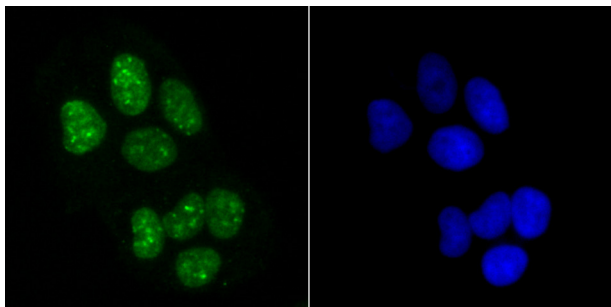
## Images



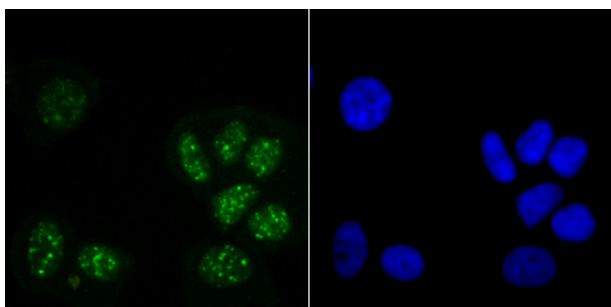
Western blot analysis of Histone H3.1 on F9 cell lysate using anti-Histone H3.1 antibody at 1/1,000 dilution.



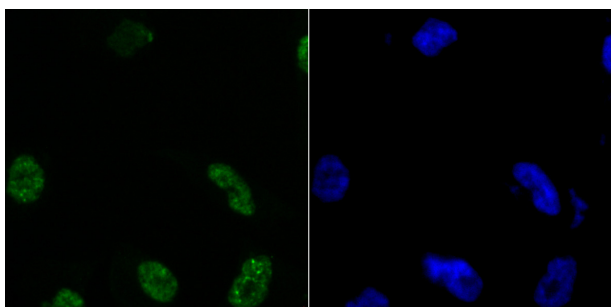
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Histone H3.1 antibody. Counter stained with hematoxylin.



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

Note: This product is for in vitro research use only