

Histone H3 Antibody

Catalog No: #32667



Package Size: #32667-1 50ul #32667-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

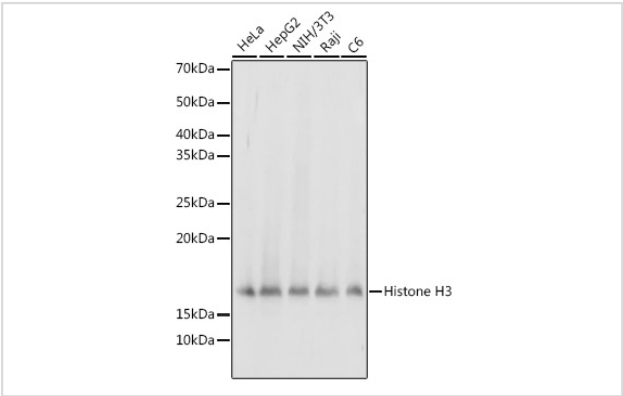
Description

Product Name	Histone H3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB;IHC;IF;IP;ELSIA
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total Histone H3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	A synthetic peptide of human HIST3H3 (NP_003484.1).
Conjugates	Unconjugated
Target Name	Histone H3
Other Names	H3.4;H3/g;H3FT;H3t;HIST3H3;Histone H3;HIST1H3A
Accession No.	Uniprot:Q16695GeneID:8290
Calculated MW	16kDa
SDS-PAGE MW	17kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

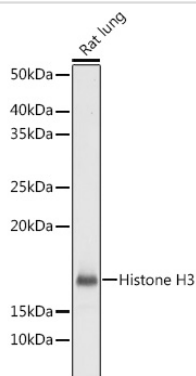
Application Details

WB 1:2000-1:10000; IHC 1:200-1:1000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;

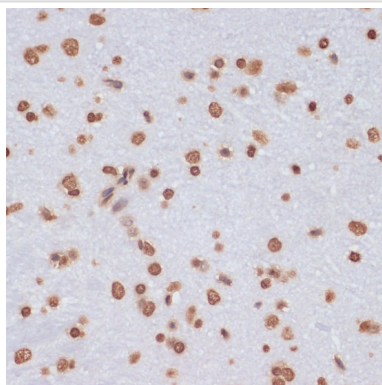
Images



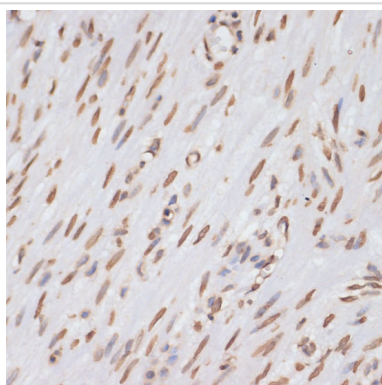
Western blot analysis of extracts of various cell lines, using Histone H3 antibody.



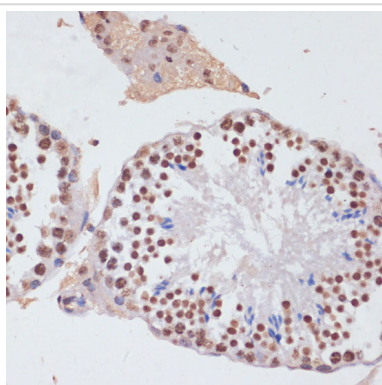
Western blot analysis of extracts of Rat lung, using Histone H3 antibody.



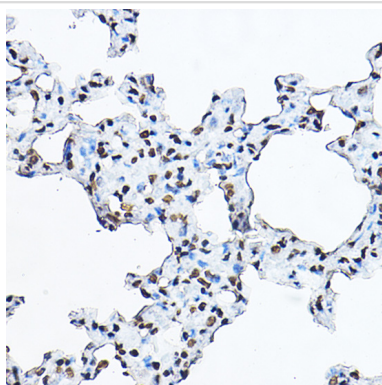
Immunohistochemistry of paraffin-embedded rat brain using Histone H3 antibody.



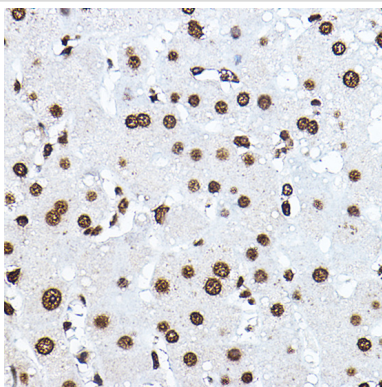
Immunohistochemistry of paraffin-embedded human appendix using Histone H3 antibody.



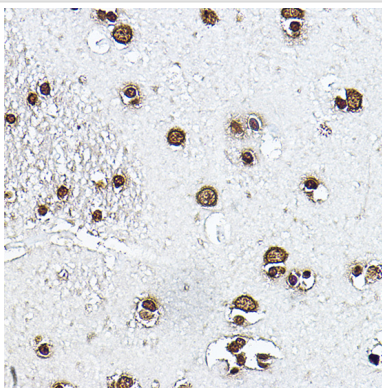
Immunohistochemistry of paraffin-embedded mouse testis using Histone H3 antibody.



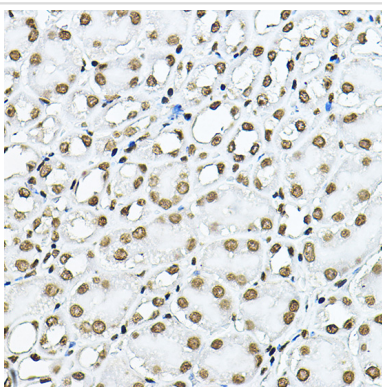
Immunohistochemistry of paraffin-embedded rat lung using Histone H3 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human liver using Histone H3 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human brain using Histone H3 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse kidney using Histone H3 Rabbit pAb.

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Published Papers

el at., Rho signalling pathway enhances proliferation of PSMCs by suppressing nuclear translocation of Smad1 in PAH. In *Exp Ther Med* on 2019 Jan by Wei H, Zhang D, et al..PMID:30603049, , (2019)

[PMID:30603049](#)

el at., Anthocyanins inhibit high-glucose-induced cholesterol accumulation and inflammation by activating LXR δ O pathway in HK-2 cells. In *Drug Des Devel Ther* on 2015 Sep 4 by Chunyang Du, Yonghong Shi et al..PMID:26379423, , (2015)

[PMID:26379423](#)

el at., Sevoflurane preconditioning protects experimental ischemic stroke by enhancing anti-inflammatory microglia/macrophages phenotype

polarization through GSK-3 α /Nrf2 pathway. In CNS Neurosci Ther on 2021 Nov by Min Cai, Sisi Sun, et al..PMID:34370899, , (2021)
[PMID:34370899](#)

el at., Novel oxica nonsteroidal compound XK01 attenuates inflammation by suppressing the NF- κ B and MAPK pathway in RAW264.7 macrophages. In Heliyon on 2024 Jan 9 by Jixiang Wang, Jiawang Tan,et al..PMID:38312593, , (2024)
[PMID:38312593](#)

Linlin He;Linlin He;Lan Zhang;Lan Zhang;Fanyi Meng;Fanyi Meng;Jingge Wei;Jingge Wei;Fei Chen;Fei Chen;Siqi Qin;Siqi Qin;Ge Jin;Ge Jin;Hailong Cao;Hailong Cao el at., Dietary emulsifier Polysorbate 80-induced lipotoxicity promotes intestinal senescence, , (2025)
[PMID:](#)

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