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Datasheet for ABIN3023243

anti-Histone 3 antibody (C-Term)

20 Images

6 Publications

Overview

Quantity:	100 µL
Target:	Histone 3 (H3)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human HIST3H3 (NP_003484.1).
Sequence:	REIRRYQKST ELLIRKLPFQ RLMREIAQDF KTDLRFQSSA VMALQEACES YLVGLFEDTN LCVIHAKRVT IMPKDIQLAR RIRGERA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3 (H3 Products)
Background:	<p>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-</p> <p>p21.3.,H3.4,H3/g,H3FT,H3t,HIST3H3,Histone H3,HIST1H3A,Signal Transduction,MAPK-Erk Signaling Pathway,MAPK-P38 Signaling Pathway,Histone H3</p>
Molecular Weight:	15 kDa
Gene ID:	8290
UniProt:	Q16695

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200,ChIP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

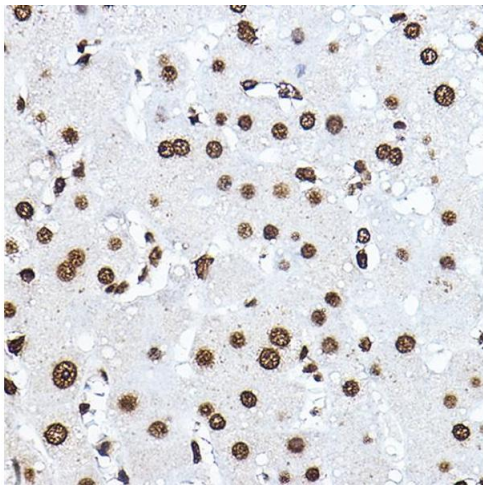
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

- Product cited in:
- Hou, Han, Fei, Gao, Qi, Cai, Qi: "Dietary Flavone Tectochrysin Exerts Anti-Inflammatory Action by Directly Inhibiting MEK1/2 in LPS-Primed Macrophages." in: **Molecular nutrition & food research**, Vol. 62, Issue 2, (2018) ([PubMed](#)).
- Tang, Guo, Zhu, Huang, Liu, Cai, Yu, Wang: "Metformin inhibits ovarian cancer via decreasing H3K27 trimethylation." in: **International journal of oncology**, Vol. 52, Issue 6, pp. 1899-1911, (2018) ([PubMed](#)).
- Zheng, Zhou, Zhang, Thu, Xie, Lu, Pang, Xue, Xu, Chen, Chen, Li, Xu: "Anhydroicaritin improves diet-induced obesity and hyperlipidemia and alleviates insulin resistance by suppressing SREBPs activation." in: **Biochemical pharmacology**, Vol. 122, pp. 42-61, (2017) ([PubMed](#)).
- Su, Li, Lei, Wang, Zhao, Cai, Wang, Li, Wu: "The EZH1-SUZ12 complex positively regulates the transcription of NF- κ B target genes through interaction with UXT." in: **Journal of cell science**, Vol. 129, Issue 12, pp. 2343-53, (2017) ([PubMed](#)).
- Yu, Tong, Luo, Xue, Mei, Ma, Yu, Mao, Kong, Yu, Li: "Regulation of SESAME-mediated H3T11 phosphorylation by glycolytic enzymes and metabolites." in: **PLoS ONE**, Vol. 12, Issue 4, pp. e0175576, (2017) ([PubMed](#)).

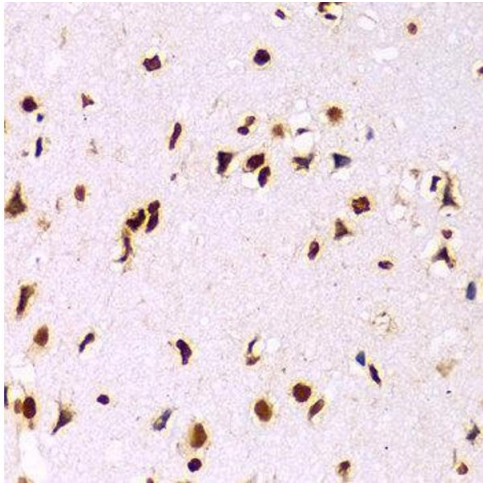
There are more publications referencing this product on: [Product page](#)

Images



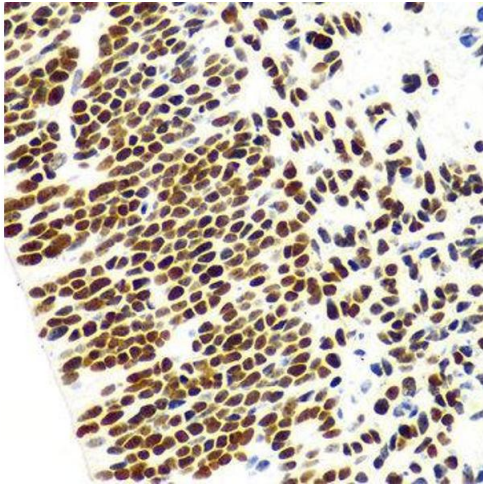
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver using Histone H3 Rabbit pAb (ABIN3023242, ABIN3023243, ABIN3023244, ABIN1513010 and ABIN6219504) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded Mouse brain using Histone H3 antibody at dilution of 1:100 (x400 lens).



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded Human embryo brain using Histone H3 antibody at dilution of 1:100 (x400 lens).

Please check the [product details page](#) for more images. Overall 20 images are available for ABIN3023243.