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Datasheet for ABIN3016048

anti-Histone H4 antibody (2meLys20)

15 Images

Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	2meLys20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	A synthetic methylated peptide corresponding to residues surrounding K20 of human histone H4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Methylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H4
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Target Details

Abstract: [Histone H4 Products](#)

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated, this record represents the centromeric copy.,FO108,H4,H4/n,H4F2,H4FN,HIST2H4,Histone H4,HIST1H4A,HIST2H4A,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Methylation,Histone H4

Molecular Weight: 11 kDa

Gene ID: 8370

UniProt: [P62805](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200,ChIP,1:20 - 1:100,ChIP-seq,1:20 - 1:100

Restrictions: For Research Use only

Handling

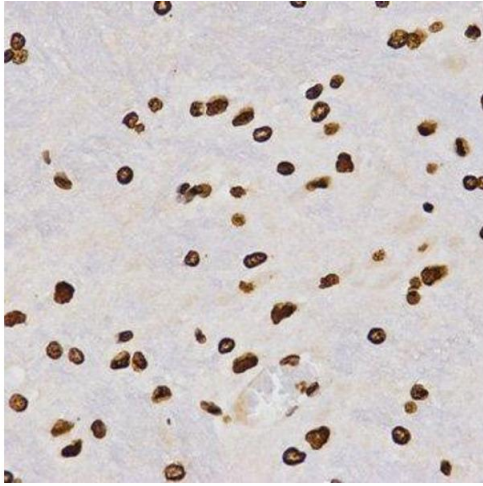
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

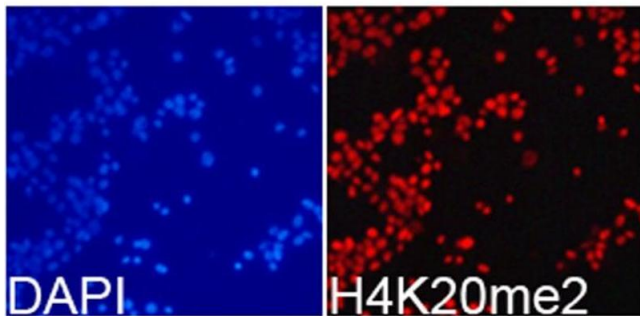
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



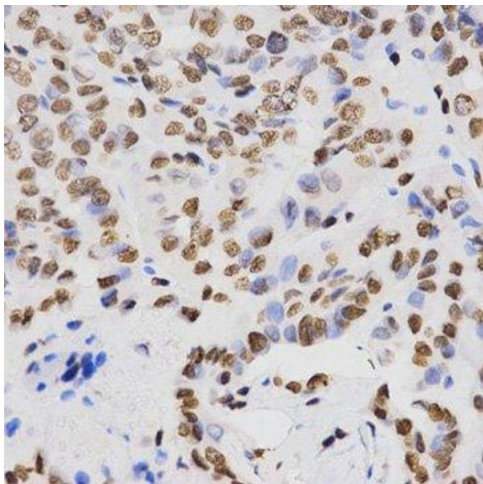
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat brain using DiMethyl-Histone H4-K20 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of 293T cells using DiMethyl-Histone H4-K20 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human thyroid cancer using DiMethyl-Histone H4-K20 antibody.

Please check the [product details page](#) for more images. Overall 15 images are available for ABIN3016048.