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Datasheet for ABIN3016045
anti-Histone H4 antibody (meLys20)

7 Images

Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	meLys20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Dot Blot (DB)

Product Details

Immunogen:	A synthetic peptide of human MonoMethyl-Histone H4-K20
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Methylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H4
Abstract:	Histone H4 Products
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

Target Details

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: DB,1:500 - 1:2000,WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

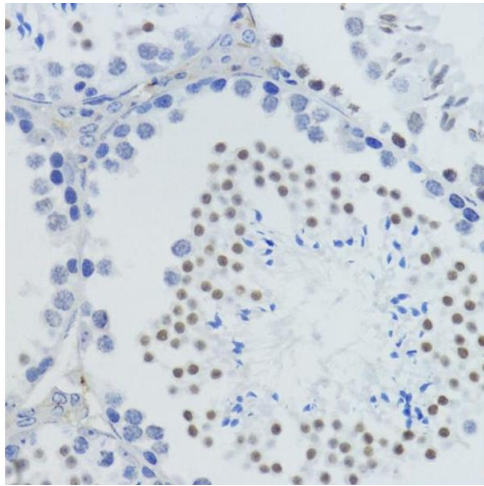
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

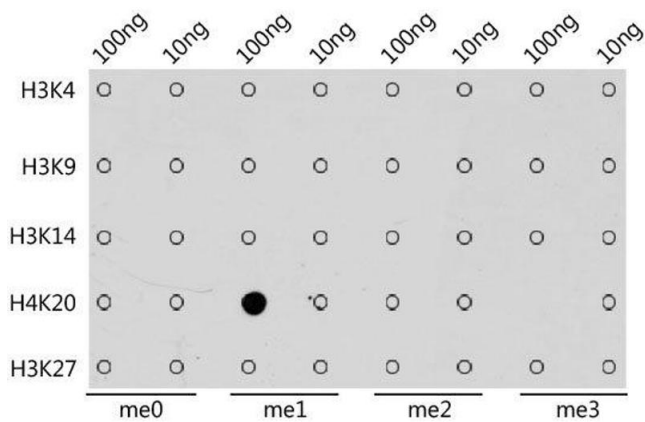
Storage: -20 °C

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



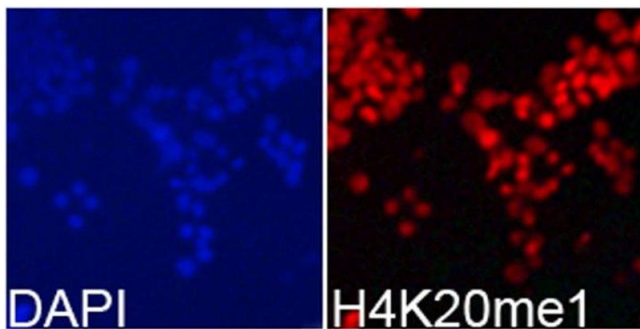
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse testis using MonoMethyl-Histone H4-K20 antibody (ABIN3016044, ABIN3016045, ABIN3016046, ABIN1680258 and ABIN6219531) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Dot Blot

Image 2. Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H4-K20 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of 293T cells using MonoMethyl-Histone H4-K20 antibody.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3016045.