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Datasheet for ABIN1680264
anti-Histone H4 antibody (meArg3)

5 Images

Overview

Quantity:	100 µg
Target:	Histone H4
Binding Specificity:	meArg3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide of human MonoMethyl-Histone H4-R3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Methylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H4
Abstract:	Histone H4 Products

Target Details

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.,HIST1H4B,H4/l,H4FI,histone H4,Histone H4,HIST1H4A,HIST2H4A,F0108,H4,H4/n,H4F2,H4FN,HIST2H4,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: 8366

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

Restrictions: For Research Use only

Handling

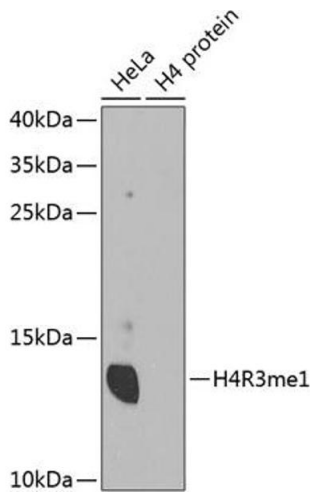
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

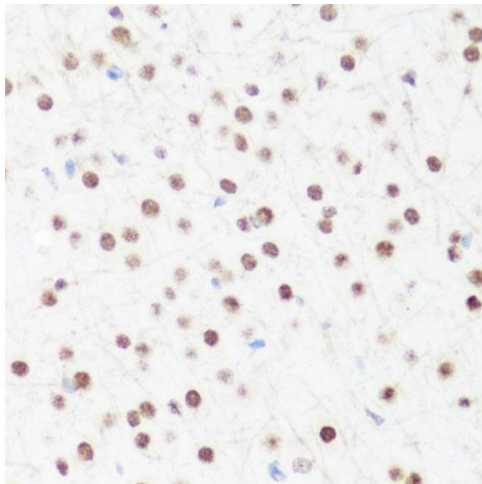
Storage: -20 °C

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



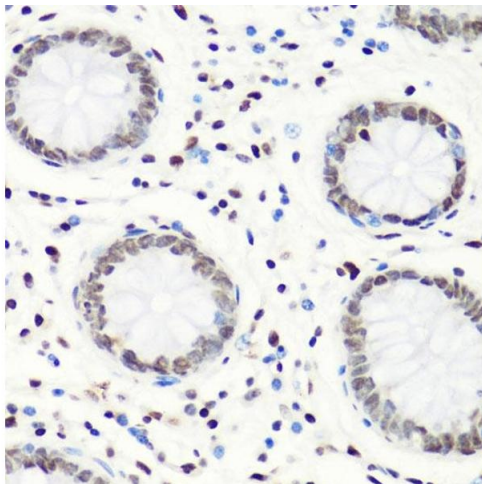
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H4-R3 antibody (ABIN1680263, ABIN1680264, ABIN6220110 and ABIN6220114). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded mouse brain using MonoMethyl-Histone H4-R3 antibody (ABIN1680263, ABIN1680264, ABIN6220110 and ABIN6220114) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon using MonoMethyl-Histone H4-R3 antibody (ABIN1680263, ABIN1680264, ABIN6220110 and ABIN6220114) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1680264.