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Datasheet for ABIN1680148

anti-Histone H1 antibody (AA 1-105)

6 Images

Overview

Quantity:	100 µg
Target:	Histone H1
Binding Specificity:	AA 1-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-105 of human H1F0 (NP_005309.1).
Sequence:	MTENSTSAPA AKPKRAKASK KSTDHPKYSD MIVAAIQAEK NRAGSSRQSI QKYIKSHYKV GENADSQIKL SIKRLVTTGV LKQTKGVGAS GSFRLAKSDE PKKSV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: Histone H1

Abstract: [Histone H1 Products](#)

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-independent histone that is a member of the histone H1 family.,H1F0,H10,H1FV,histone H1.0,Epigenetics & Nuclear Signaling,Histones,RNA Binding,Histone H1

Molecular Weight: 19 kDa/20 kDa

Gene ID: 3005

UniProt: [P07305](#)

Application Details

Application Notes: WB,1:500 - 1:1000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

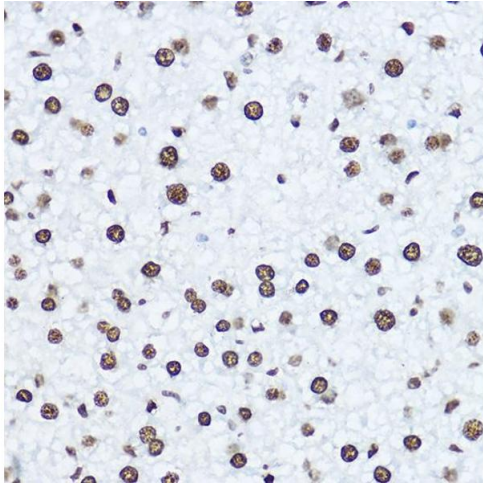
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

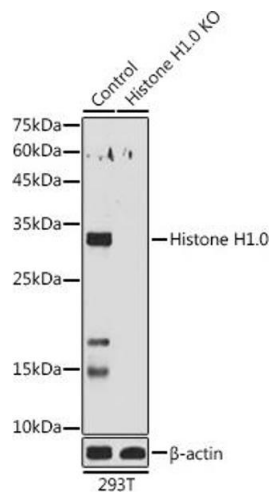
Storage: -20 °C

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



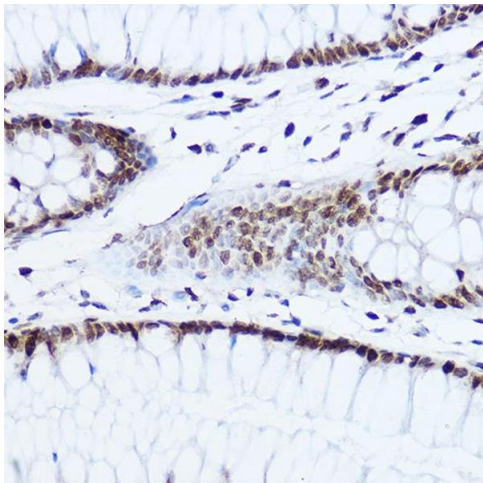
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse liver using [KO Validated] Histone H1.0 Rabbit pAb (ABIN1680148, ABIN3017658, ABIN3017659 and ABIN6220196) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of 293T cells, using Histone H1.0 antibody (ABIN1680148, ABIN3017658, ABIN3017659 and ABIN6220196) at 1:1000 dilution. 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. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon using [KO Validated] Histone H1.0 Rabbit pAb (ABIN1680148, ABIN3017658, ABIN3017659 and ABIN6220196) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1680148.