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Datasheet for ABIN6141561
anti-Histone H1 antibody (AA 1-194)

2 Images

Overview

Quantity:	100 µL
Target:	Histone H1
Binding Specificity:	AA 1-194
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 1-194 of human H1F0 (NP_005309.1).
Sequence:	MTENSTSAPA AKPKRAKASK KSTDHPKYSD MIVAAIQAEK NRAGSSRQSI QKYIKSHYKV GENADSQIKL SIKRLVTTGV LKQTKGVGAS GSFRLAKSDE PKKSVAFKKT KKEIKKVATP KKASKPKKAA SKAPTKKPKA TPVKKAKKKL AATPKKAKKP KTVKAKPVKA SKPKKAKPVK PKAKSSAKRA GKKE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

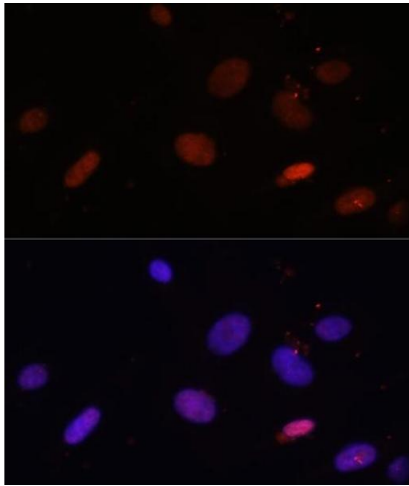
Target:	Histone H1
Abstract:	Histone H1 Products
Background:	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of 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-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</p>
Molecular Weight:	19 kDa/20 kDa
Gene ID:	3005
UniProt:	P07305

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

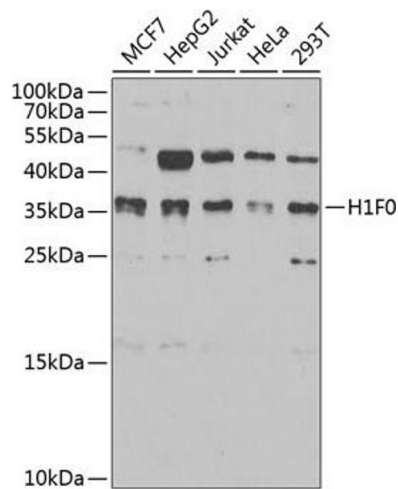
Handling

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



Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using Histone H1.0 antibody (ABIN6131054, ABIN6141561, ABIN6141562 and ABIN6222655) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Histone H1.0 antibody (ABIN6131054, ABIN6141561, ABIN6141562 and ABIN6222655) 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: 90s.