Datasheet for ABIN2785869

anti-Histone H1 antibody (N-Term)

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2 Images

Overview

Quantity:	100 µL
Target:	Histone H1 (H1F0)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human H1F0
Sequence:	IQAEKNRAGS SRQSIQKYIK SHYKVGENAD SQIKLSIKRL VTTGVLKQTK
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against H1F0. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Histone H1 (H1F0)
Alternative Name:	H1F0 (H1F0 Products)

Target Details

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. H1F0 gene is intronless and encodes a member of the histone H1 family.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 member of the histone H1 family. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: H10, H1FV, MGC5241 Protein Interaction Partner: UBC, LIN28A, POP1, PRKRA, SUZ12, EED, RNF2, PARK2, ERCC8, PRKCB, CDK1, APP, CDK2, CDK4, CAND1, PfPK6, YWHAZ, CDK5, CCNE1, HDGF, Nedd4, NEDD4L, GRB2, YWHAQ, XBP1, IKBKG, NOA1, IPO7, RAD51B, KPNB1, IPO5, KPNA2, Protein Size: 194
Molecular Weight:	21 kDa
Gene ID:	3005
NCBI Accession:	NM_005318, NP_005309
UniProt:	P07305

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 194 AA
Restrictions:	For Research Use only

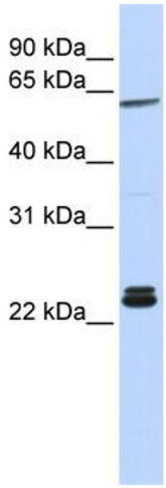
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

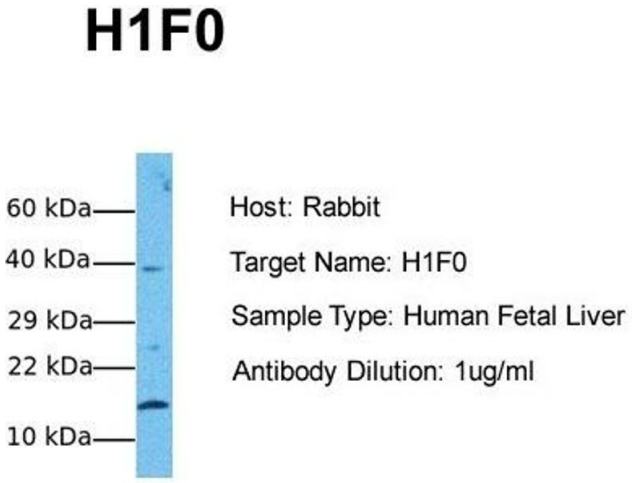
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #101829 for Western Blotting (WB)



Western Blotting

Image 1. WB Suggested Anti-H1F0 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:100 Positive Control: Hela cell lysate



Western Blotting

Image 2. Host: Rabbit Target Name: H1F0 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml