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Datasheet for ABIN6146988

anti-Ribonuclease H1 antibody (AA 1-286)

Overview

Quantity:	100 µL
Target:	Ribonuclease H1 (RNASEH1)
Binding Specificity:	AA 1-286
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ribonuclease H1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-286 of human RNASEH1 (NP_002927.2).
Sequence:	MSWLLFLAHR VALAALPCRR GSRGFGMFYA VRRGRKTGVF LTWNECRAQV DRFPAARFKK FATEDEAWAF VRKSASPEVS EGHENQHQQE SEAKASKRLR EPLDGDGHES AEPYAKHMKP SVEPAPPVSR DTFSYMGDFV VVYTDGCCSS NGRRRPRAGI GVYWGP GHPL NVGIRLPGRQ TNQRAEIHAA CKAIEQAKTQ NINKLVLYTD SMFTINGITN WVQGWKKNW KTSAGKEVIN KEDFVALERL TQGMIDIQWMH VPGHSGFIGN EEADRLAREG AKQSED
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Ribonuclease H1 (RNASEH1)
Alternative Name:	RNASEH1 (RNASEH1 Products)
Background:	<p>This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and is necessary for DNA replication and repair. This enzyme is present in both mitochondria and nuclei, which are resulted from translation of a single mRNA with two in-frame initiation start codons. The use of the first start codon produces the mitochondrial isoform and the use of the second start codon produces the nuclear isoform. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF) which overlaps the first initiation start codon in human. An alternately spliced transcript variant has been found which encodes a shorter isoform. This gene has three pseudogenes, two of them are at different locations of chromosome 17 and one of them is on chromosome</p> <p>1q32.2.,RNASEH1,H1RNA,PEOB2,RNH1,Epigenetics & Nuclear Signaling,RNASEH1</p>
Molecular Weight:	32 kDa
Gene ID:	246243
UniProt:	O60930

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 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.