

For Research Use Only

RNASEH1 Recombinant antibody

Catalog Number: 82771-1-RR



Basic Information

Catalog Number: 82771-1-RR	GenBank Accession Number: BC002973	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 246243	CloneNo.: 2C12
Source: Rabbit	Full Name: ribonuclease H1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Calculated MW: 32 kDa	
Immunogen Catalog Number: AG7990	Observed MW: 32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, A549 cells, HEK-293 cells, U2OS cells, Jurkat cells
Species Specificity: Human	

Background Information

Ribonucleases H are enzymes that cleave the RNA of RNA/DNA hybrids that form during replication and repair and which could lead to DNA instability if they were not processed. Eukaryotic RNases H are larger and more complex than their prokaryotic counterparts [PMID:12667461]. Eukaryotic RNase H1 has acquired a Hybrid Binding Domain that confers processivity and affinity for the substrate. Because of its essential role and its similarities in structure and enzymatic mechanism to the RNase H of HIV reverse transcriptase, RNASEH1 has been implicated in mitochondrial DNA replication during mouse development [PMID:19228196].

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

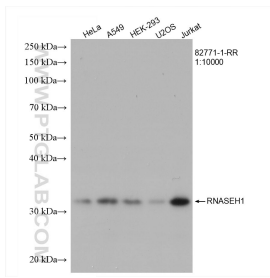
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82771-1-RR (RNASEH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.