

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: 1000 µg/ml	GeneID (NCBI): 246243	CloneNo.: 2C12
Source: Rabbit	UNIPROT ID: O60930	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: ribonuclease H1	
Immunogen Catalog Number: AG7990	Calculated MW: 32 kDa	
	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

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

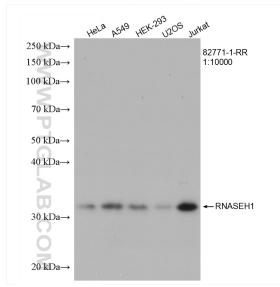
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Selected Validation Data



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.