

For Research Use Only

RNASEH1 Monoclonal antibody, PBS Only

Catalog Number: 68787-3-PBS



Basic Information

Catalog Number: 68787-3-PBS	GenBank Accession Number: BC002973	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 246243	CloneNo.: 2C8D3
Source: Mouse	UNIPROT ID: O60930	
Isotype: IgG1	Full Name: ribonuclease H1	
Immunogen Catalog Number: AG33948	Calculated MW: 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

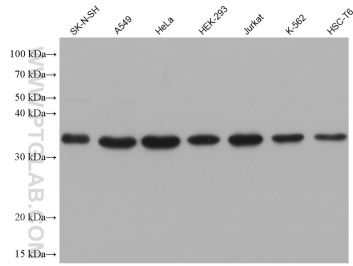
T: 4006900926

E: Proteintech-CN@ptglab.com

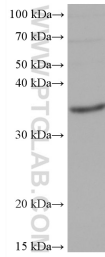
W: ptgcn.com

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 68787-3-Ig (RNASEH1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68787-3-PBS in a different storage buffer formulation.



4T1 cells were subjected to SDS PAGE followed by western blot with 68787-3-Ig (RNASEH1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68787-3-PBS in a different storage buffer formulation.