

For Research Use Only

RNASEH1 Recombinant antibody, PBS Only

Catalog Number: 82771-1-PBS

Featured Product



Basic Information

Catalog Number:

82771-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7990

GenBank Accession Number:

BC002973

GeneID (NCBI):

246243

UNIPROT ID:

O60930

Full Name:

ribonuclease H1

Calculated MW:

32 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

2C12

Applications

Tested Applications:

WB, Indirect ELISA

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 -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:

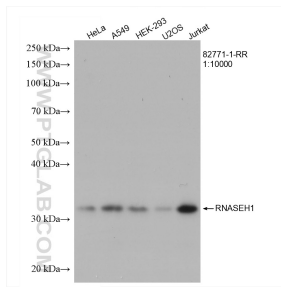
T: 4006900926

E: Proteintech-CN@ptglab.com

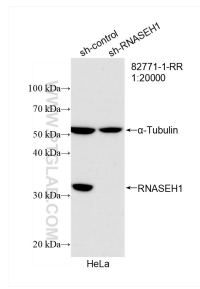
W: ptgcn.com

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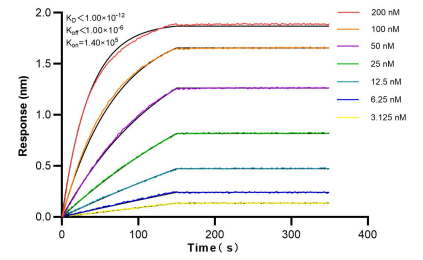
Selected Validation Data



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. This data was developed using the same antibody clone with 82771-1-PBS in a different storage buffer formulation.



WB result of RNASEH1 antibody (82771-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RNASEH1 transfected HeLa cells. This data was developed using the same antibody clone with 82771-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 82771-1-RR against Human RNASEH1 were performed. The affinity constant is below 1 pM.