

For Research Use Only

RNASEH2B Recombinant antibody

Catalog Number: 84097-6-RR



Basic Information

Catalog Number: 84097-6-RR	GenBank Accession Number: BC036744	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 79621	CloneNo.: 241131F1
Source: Rabbit	UNIPROT ID: Q5TBB1	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: ribonuclease H2, subunit B	
Immunogen Catalog Number: AG33669	Calculated MW: 331 aa, 37 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : MCF-7 cells, HeLa cells, Jurkat cells, U-937 cells, THP-1 cells
	IF/ICC : HeLa cells,

Background Information

Ribonuclease H2 is the major nuclear enzyme degrading cellular RNA/DNA hybrids in eukaryotes and the sole nuclease known to be able to hydrolyze ribonucleotides misincorporated during genomic replication. RNASEH2B and RNASEH2C are the non-catalytic subunits of RNase H2 complex. Defects in RNASEH2B are a cause of Aicardi-Goutieres syndrome type 2 (AGS2), a genetically heterogeneous disease with clinical features as thrombocytopenia, hepatosplenomegaly and elevated hepatic transaminases along with intermittent fever may erroneously suggest an infective process.

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:

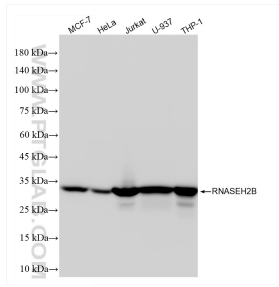
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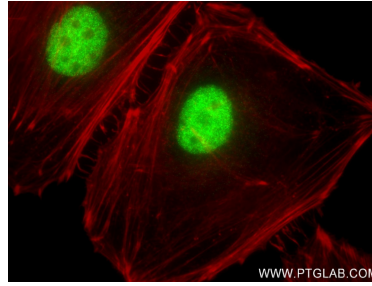
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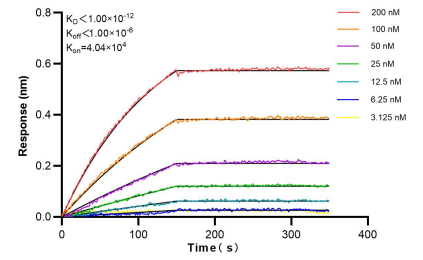
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84097-6-RR (RNASEH2B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RNASEH2B antibody (84097-6-RR, Clone: 241131F1) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84067-4-RR against Human RNASEH2B were performed. The affinity constant is below 1 pM.