

For Research Use Only

HNRNPA2B1 Recombinant antibody

Catalog Number:83773-7-RR



Basic Information

Catalog Number: 83773-7-RR	GenBank Accession Number: BC000506	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3181	CloneNo.: 240831E3
Source: Rabbit	UNIPROT ID: P22626	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: heterogeneous nuclear ribonucleoprotein A2/B1	
Immunogen Catalog Number: AG6563	Calculated MW: 37 kDa	
	Observed MW: 36 kDa, 38 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, A549 cells, Jurkat cells, K-562 cells, HL-60 cells, HSC-T6 cells, NIH/3T3 cells

IHC: mouse colon tissue,

IF/ICC: HeLa cells,

Background Information

HnRNPA2B1 is one of the heterogeneous nuclear ribonucleoproteins (HnRNPs), which regulate the splicing and transportation of mRNA. It has a role in packaging nascent mRNA, alternative splicing, cytoplasmic RNA trafficking, translation, and stabilization. Besides it may involve in telomere maintenance, cell proliferation and differentiation, and glucose transport. Gene HURNPA2B1 encodes two proteins, HNRNPA2 (38kd) and HNRNPB1 (36kd), by alternative splicing.

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:

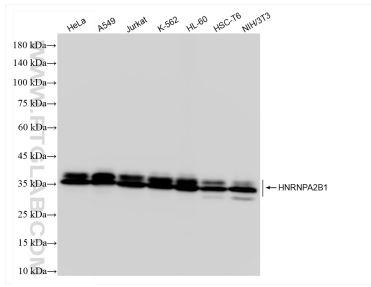
T: 4006900926

E: Proteintech-CN@ptglab.com

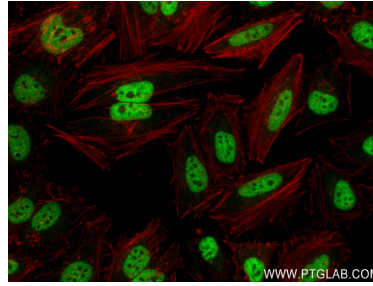
W: ptgcn.com

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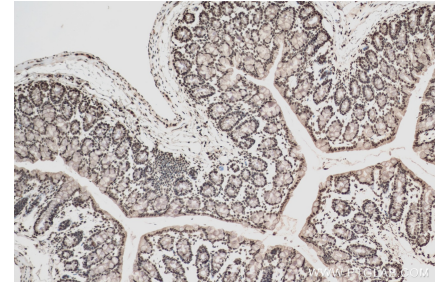
Selected Validation Data



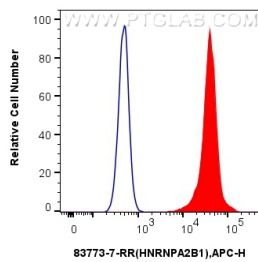
Various lysates were subjected to SDS PAGE followed by western blot with 83773-7-RR (HNRNPA2B1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



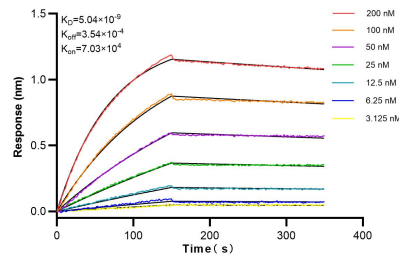
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPA2B1 antibody (83773-7-RR, Clone: 240831E3) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83773-7-RR (HNRNPA2B1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug HNRNPA2B1 Recombinant antibody (83773-7-RR, Clone:240831E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



Biolayer interferometry (BLI) kinetic assays of 83773-7-RR against Human HNRNPA2B1 were performed. The affinity constant is 5.04 nM.