

For Research Use Only

# HNRNPA2B1 Recombinant antibody

Catalog Number:83773-7-RR



## Basic Information

<b>Catalog Number:</b> 83773-7-RR	<b>GenBank Accession Number:</b> BC000506	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3181	<b>CloneNo.:</b> 240831E3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22626	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> heterogeneous nuclear ribonucleoprotein A2/B1	
<b>Immunogen Catalog Number:</b> AG6563	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 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 heterogenous 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 (36kd) and HNRNPB1 (38kd), 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.

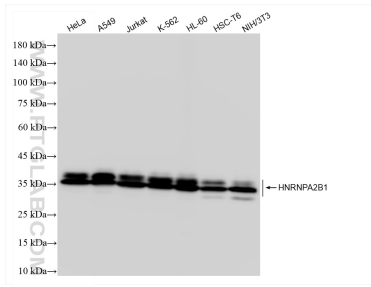
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

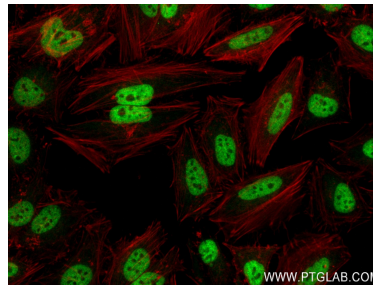
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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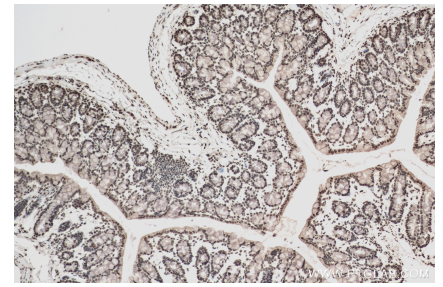
## Selected Validation Data



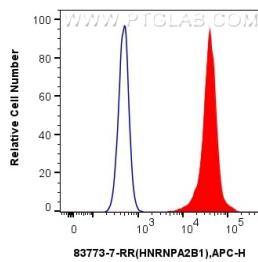
Various lysates were subjected to SDS PAGE followed by western blot with 83773-7-RR (HNRNPA2B1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



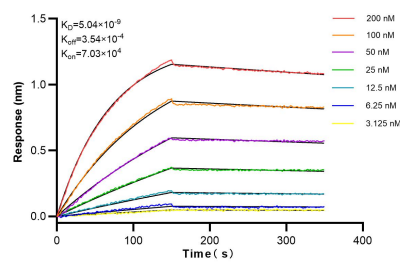
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPA2B1 antibody (83773-7-RR, Clone: 240831E3) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



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).



1x10<sup>6</sup> 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.