

For Research Use Only

# HNRNPR Recombinant antibody

Catalog Number:85078-1-RR



## Basic Information

<b>Catalog Number:</b> 85078-1-RR	<b>GenBank Accession Number:</b> BC001449	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10236	<b>CloneNo.:</b> 242734C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43390	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> heterogeneous nuclear ribonucleoprotein R	
<b>Immunogen Catalog Number:</b> AG30339	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 65-82 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**  
**WB :** rat brain tissue, HeLa cells, HepG2 cells, HEK-293T cells, Jurkat cells, U2OS cells, mouse brain tissue

**IF/ICC :** HepG2 cells,

## Background Information

HNRNPR belongs to Heterogeneous nuclear ribonucleoproteins (hnRNPs), which are among the most abundant proteins in the eukaryotic nucleus and they play important roles in processing of precursor mRNA. hnRNP proteins have a modular structure consisting of one or more RNA binding domains and at least another auxiliary domain, which likely mediates protein-protein interactions but may also contribute to nucleic acid binding. The calculated molecular weight of HNRNPR is 71 kDa, but the migration behavior of the 82 kDa translation product was indistinguishable from that of HNRNPR. (PMID: 9421497)

## 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.

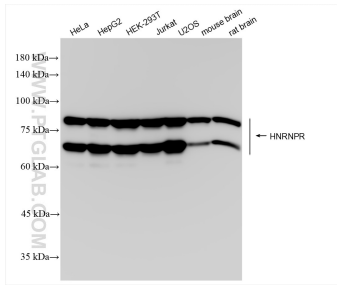
**Aliquoting is unnecessary for -20°C storage**

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

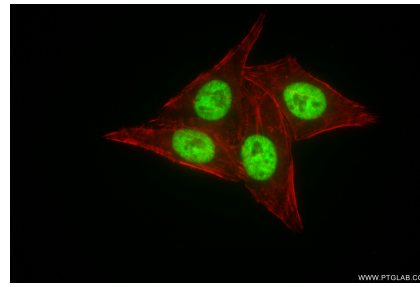
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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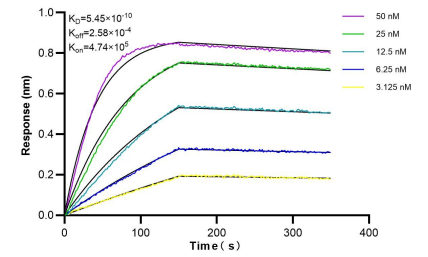
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85078-1-RR (HNRNPR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNRNPR antibody (85078-1-RR, Clone: 242734C8) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 85078-1-RR against Human HNRNPR were performed. The affinity constant is 0.545 nM.