

For Research Use Only

HNRNPR Recombinant antibody, PBS Only (Capture)

Catalog Number:85078-1-PBS



Basic Information

Catalog Number: 85078-1-PBS	GenBank Accession Number: BC001449	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10236	CloneNo.: 242734C8
Source: Rabbit	UNIPROT ID: O43390	
Isotype: IgG	Full Name: heterogeneous nuclear ribonucleoprotein R	
Immunogen Catalog Number: AG30339	Calculated MW: 71 kDa	
	Observed MW: 65-82 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

85078-1-PBS targets HNRNPR as part of a matched antibody pair:

MP01784-1: 85078-1-PBS capture and 85078-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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 -80°C.
Storage Buffer:
PBS Only

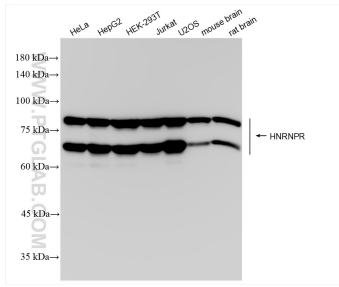
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

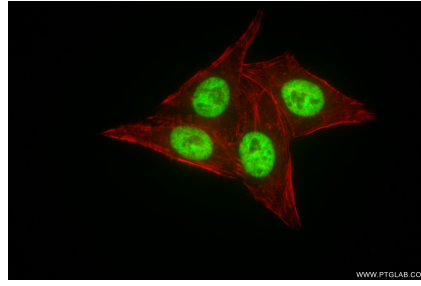
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

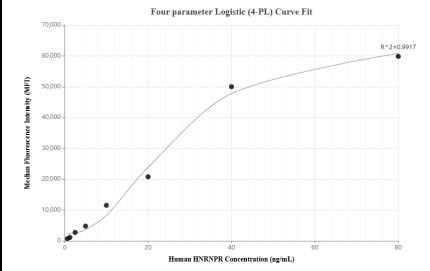
Selected Validation Data



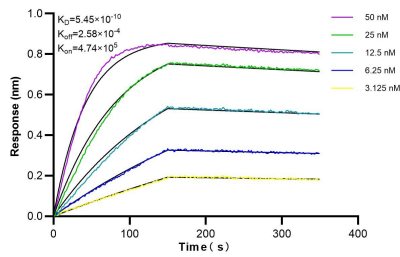
Various lysates were subjected to SDS PAGE followed by western blot with 85078-1-RR (HNRNPR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85078-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85078-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01784-1, HNRNPR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85078-1-PBS. Detection antibody: 85078-2-PBS. Standard: Ag30339. Range: 0.625-80 ng/mL.



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