

For Research Use Only

# P130 Recombinant monoclonal antibody

Catalog Number:87016-1-RR



## Basic Information

<b>Catalog Number:</b> 87016-1-RR	<b>GenBank Accession Number:</b> BC006769	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9221	<b>CloneNo.:</b> 252136E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14978	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IF/ICC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleolar and coiled-body phosphoprotein 1	
<b>Immunogen Catalog Number:</b> AG2382	<b>Calculated MW:</b> 73 kDa	
	<b>Observed MW:</b> 120-130 kDa	

## Applications

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

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

### Positive Controls:

**WB :** Jurkat cells, rat brain tissue, K-562 cells, HeLa cells, Caki-1 cells, HEK-293 cells, Sp2/0 cells

**IF/ICC :** HepG2 cells,

## Background Information

Nucleolar and coiled-body phosphoprotein 1 (NOLC1) is a phosphoprotein that transiently associates with the mature nucleolar H/ACA and C/D box small nucleolar ribonucleoproteins (snoRNPs), guiding site-specific 2'-O-methylation and pseudouridylation of pre-rRNAs [PMID:21266110]. It contains a nuclear localization signal binding sequence and is thought to shuttle between the nucleolus and the cytoplasm. NOLC1 plays an essential role in the synthesis of rRNA and the biosynthesis of ribosomes [PMID:8972203].

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

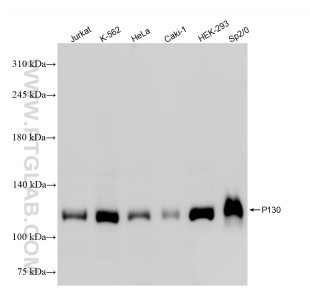
For technical support and original validation data for this product please contact:

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

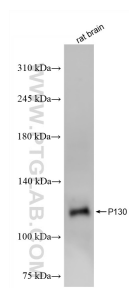
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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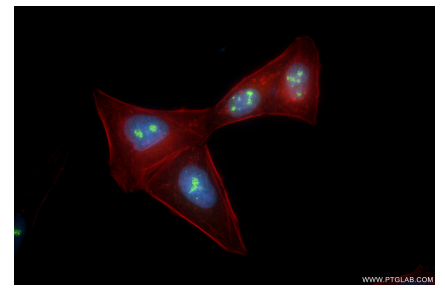
## Selected Validation Data



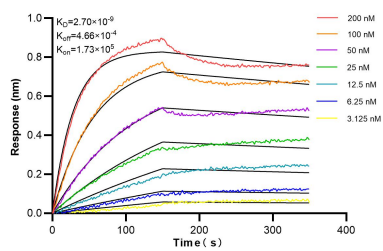
Various lysates were subjected to SDS PAGE followed by western blot with 87016-1-RR (P130 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



rat brain tissue were subjected to SDS PAGE followed by western blot with 87016-1-RR (P130 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using P130 antibody (87016-1-RR, Clone: 252136E4) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 87016-1-RR against Human P130 were performed. The affinity constant is 2.70 nM.