

For Research Use Only

P130 Recombinant monoclonal antibody, PBS Only

Catalog Number:87016-1-PBS



Basic Information

Catalog Number: 87016-1-PBS	GenBank Accession Number: BC006769	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9221	CloneNo.: 252136E4
Source: Rabbit	UNIPROT ID: Q14978	
Isotype: IgG	Full Name: nucleolar and coiled-body phosphoprotein 1	
Immunogen Catalog Number: AG2382	Calculated MW: 73 kDa	
	Observed MW: 120-130 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

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

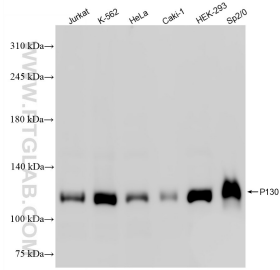
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

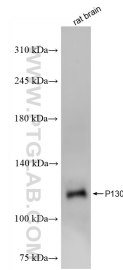
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

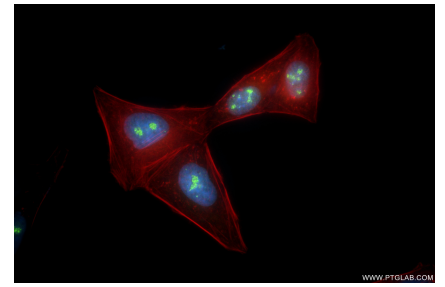
Selected Validation Data



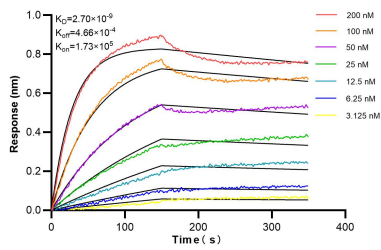
Various lysates were subjected to SDS PAGE followed by western blot with 87016-1-RR (P130 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87016-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87016-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87016-1-PBS in a different storage buffer formulation.



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