

For Research Use Only

CD315/PTGFRN Recombinant monoclonal antibody

Catalog Number:87504-1-RR



Basic Information

Catalog Number: 87504-1-RR	GenBank Accession Number: BC152454	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5738	CloneNo.: 252486D2
Source: Rabbit	UNIPROT ID: Q9P2B2	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: prostaglandin F2 receptor negative regulator	
Immunogen Catalog Number: EG5010	Calculated MW: 879 aa, 99 kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-251 cells, LN-229 cells, U-87 MG cells
Species Specificity: human	

Background Information

PTGFRN (Prostaglandin F2 Receptor Negative Regulator), also known as CD315, is a trans-membrane protein that modulates prostaglandin F2a signaling and links the tetraspanin web to the cytoskeleton, it is now recognized as a driver of metastasis; high expression correlates with aggressive proliferation, migration, and spheroid growth in epidermoid carcinoma, medulloblastoma, and mesothelioma, while silencing PTGFRN impairs these traits and disrupts autophagy (PMID: 38924562). The calculated value of PTGFRN is 98 kDa. It has multiple glycosylation sites and its molecular weight after glycosylation is approximately 100 - 130 kDa.

Storage

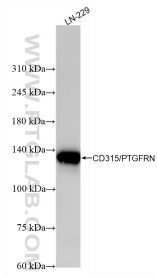
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

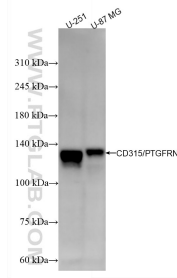
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

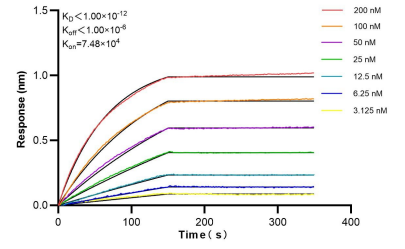
Selected Validation Data



LN-229 cells were subjected to SDS PAGE followed by western blot with 87504-1-RR (CD315/PTGFRN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 87504-1-RR (CD315/PTGFRN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87504-1-RR against Human CD315/PTGFRN were performed. The affinity constant is below 1 pM.