

For Research Use Only

CD315/PTGFRN Recombinant monoclonal antibody

Catalog Number: 87433-1-RR



Basic Information

Catalog Number: 87433-1-RR	GenBank Accession Number: NM_011197.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 19221	CloneNo.: 252390C10
Source: Rabbit	UNIPROT ID: Q9WV91	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: prostaglandin F2 receptor negative regulator	
Immunogen Catalog Number: EG6319	Calculated MW: 99 kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : C2C12 cells, mouse stomach tissue, rat stomach tissue, mouse kidney tissue
Species Specificity: mouse, rat	

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

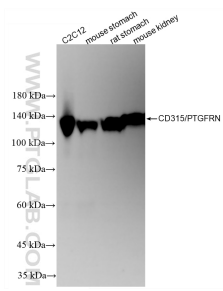
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

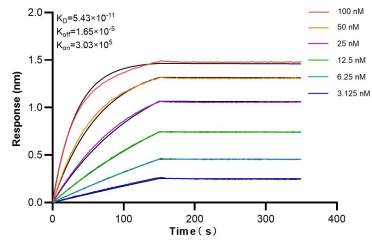
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87433-1-RR (CD315/PTGFRN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87433-1-RR against Mouse CD315/PTGFRN were performed. The affinity constant is 54.3 pM.