

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
Source: Rabbit	GeneID (NCBI): 19221	CloneNo.: 252390C10
Isotype: IgG	UNIPROT ID: Q9WV91	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: EG6319	Full Name: prostaglandin F2 receptor negative regulator	
	Calculated MW: 99 kDa	
	Observed MW: 100-130 kDa	

Applications

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

Background Information

PTGFRN (Prostaglandin F2 Receptor Negative Regulator), also known as CD315, is a trans-membrane protein that modulates prostaglandin F2 α 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

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

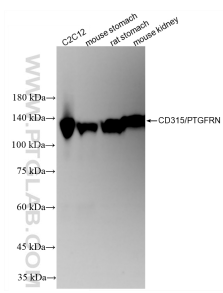
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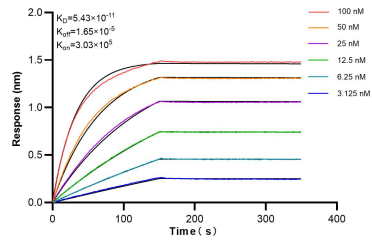
W: ptgcn.com

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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.