

For Research Use Only

CD315/PTGFRN Polyclonal antibody

Catalog Number:33863-1-AP



Basic Information

Catalog Number:

33863-1-AP

Size:

150ul , Concentration: 410 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5010

GenBank Accession Number:

BC152454

GeneID (NCBI):

5738

UNIPROT ID:

Q9P2B2

Full Name:

prostaglandin F2 receptor negative regulator

Calculated MW:

879 aa, 99 kDa

Observed MW:

100-130 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse stomach tissue, rat stomach tissue

IP : HeLa cells,

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

*** 20ul sizes contain 0.1% BSA

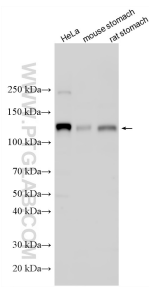
For technical support and original validation data for this product please contact:

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

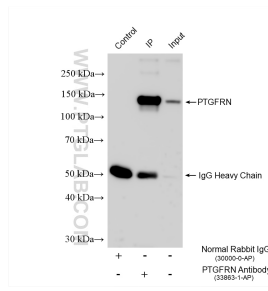
E: proteintech@ptglab.com
W: ptglab.com

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 33863-1-AP (CD315/PTGFRN antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-CD315/PTGFRN (IP:33863-1-AP, 4ug; Detection:33863-1-AP 1:300) with HeLa cells lysate 1480 ug.