

For Research Use Only

# CD315/PTGFRN Polyclonal antibody

Catalog Number:33863-1-AP



## Basic Information

Catalog Number:  
33863-1-AP

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 $\alpha$  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:

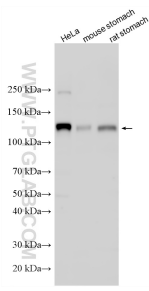
T: 4006900926

E: Proteintech-CN@ptglab.com

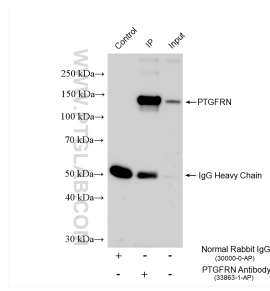
W: ptgcn.com

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## 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.