

For Research Use Only

# PAR2 Polyclonal antibody

Catalog Number: 12160-1-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

12160-1-AP

**Size:**

150ul, Concentration: 260 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2801

**GenBank Accession Number:**

BC018130

**GeneID (NCBI):**

2150

**UNIPROT ID:**

P55085

**Full Name:**

coagulation factor II (thrombin) receptor-like 1

**Calculated MW:**

397 aa, 44 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB: COLO 320 cells,

## Background Information

Proteinase-activated receptors (PARs) are G protein-coupled receptors activated through cleavage of their N-termini by mainly serine proteases. The family of PARs includes four members: PAR1, PAR2, PAR3, and PAR4. PAR2, also known as F2RL1, is expressed in epithelial cells (e.g., lung, gastrointestinal tract), endothelial cells, smooth muscle cells, fibroblasts, nerves, and some immune and inflammatory cells. PAR2 knockout mice and PAR2 agonists and antagonists have implicated PAR2 as a promising target in inflammatory conditions; respiratory, gastrointestinal, metabolic, cardiovascular, and neurological dysfunction; and cancers. (PMID:23895492)

## Notable Publications

Author	Pubmed ID	Journal	Application
Chi Liu	35570225	Med Oncol	WB
Yuju Kim	35269499	Cells	WB
Mei-Kwan Yau	23895492	J Med Chem	

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

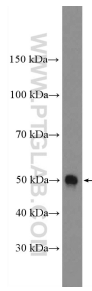
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 12160-1-AP (PAR2) antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.