

For Research Use Only

# GPR107 Polyclonal antibody

Catalog Number: 25076-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

25076-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18649

### GenBank Accession Number:

BC110518

### GeneID (NCBI):

57720

### UNIPROT ID:

Q5VW38

### Full Name:

G protein-coupled receptor 107

### Calculated MW:

552 aa, 67 kDa

### Observed MW:

60-67 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:300-1:1200

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, mouse cerebellum tissue

IF/ICC : HEK-293 cells,

## Background Information

GPR107 also named as KIAA1624 or LUSTR1 is 600 amino acid protein, which belongs to the LU7TM family. GPR107 localizes in membrane and is a multi-pass membrane protein. GPR107 is a promising candidate receptor for neuronostatin, and neuronostatin, interacting with GPR107, may play an important role in the central control of cardiovascular function.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Shiuan Cheng	34799735	Nat Chem Biol	WB
Guanqun Huang	29925408	J Exp Clin Cancer Res	WB, IHC, IF
Shaobin Yang	30753874	Behav Brain Res	WB

## 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

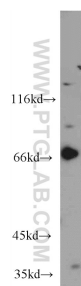
For technical support and original validation data for this product please contact:

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

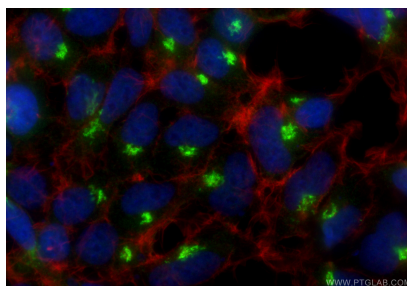
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 25076-1-AP (GPR107 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using GPR107 antibody (25076-1-AP) at dilution of 1:600 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).