

For Research Use Only

GPR107 Polyclonal antibody

Catalog Number: 25076-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 25076-1-AP	GenBank Accession Number: BC110518	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57720	Recommended Dilutions: WB 1:500-1:1000 IF 1:10-1:100
Source: Rabbit	Full Name: G protein-coupled receptor 107	
Isotype: IgG	Calculated MW: 552 aa, 67 kDa	
Immunogen Catalog Number: AG18649	Observed MW: 60-67 kDa	

Applications

Tested Applications: FC, IF, WB, ELISA	Positive Controls: WB: HEK-293 cells, mouse cerebellum tissue
Cited Applications: IF, IHC, WB	IF: HEK-293 cells,
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

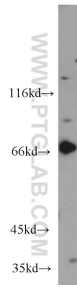
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

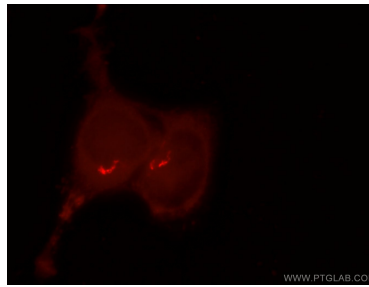
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

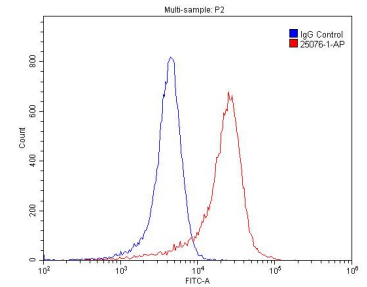
Selected Validation Data



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 HEK-293 cells using 25076-1-AP (GPR107 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



1×10^6 SH-SY5Y cells were stained with 0.2ug GPR107 antibody (25076-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.