

For Research Use Only

GPR105 Polyclonal antibody

Catalog Number: 20190-1-AP **1 Publications**



Basic Information

Catalog Number: 20190-1-AP	GenBank Accession Number: BC034989	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 147 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9934	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q15391	
Isotype: IgG	Full Name: purinergic receptor P2Y, G-protein coupled, 14	
Immunogen Catalog Number: AG14105	Calculated MW: 338 aa, 39 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human stomach tissue, human placenta tissue
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GPR105 (also known as P2RY14) is widely expressed throughout many brain regions and peripheral tissues of humans and rodents, and couples to a pertussis toxin-sensitive G protein (PMID: 14559350). Notably, GPR105 is also prominently expressed in immune cells, including macrophages, lymphocytes, and neutrophils (PMID: 22778393).

Notable Publications

Author	Pubmed ID	Journal	Application
Hyun Jin Kim	31829254	Mol Brain	IHC

Storage

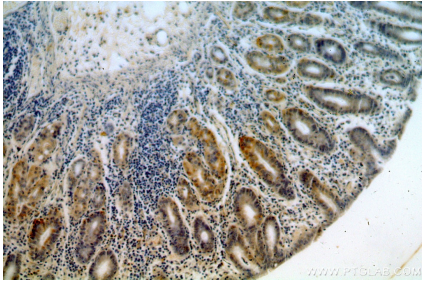
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

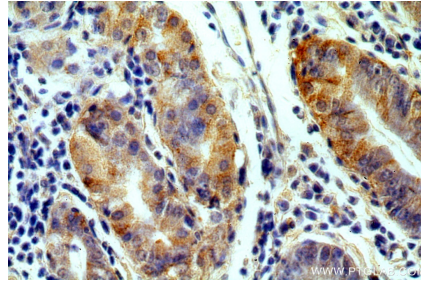
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach using 20190-1-AP (GPR105 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach using 20190-1-AP (GPR105 antibody) at dilution of 1:50 (under 40x lens).