For Research Use Only

GPR105 Polyclonal antibody

Catalog Number:20190-1-AP 1 Publications

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Basic Information

Catalog Number:
20190-1-AP

Size:
150ul , Concentration: 147 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14105

GenBank Accession Number:
BC034989

GeneID (NCBI):
9934

UNIPROT ID:
Q15391

Full Name:
purinergic receptor P2Y, G-protein coupled, 14

Calculated MW:
338 aa, 39 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:20-1:200

Applications

Tested Applications:
IHC, ELISA

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

Positive Controls:

IHC : human stomach tissue, human placenta tissue

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
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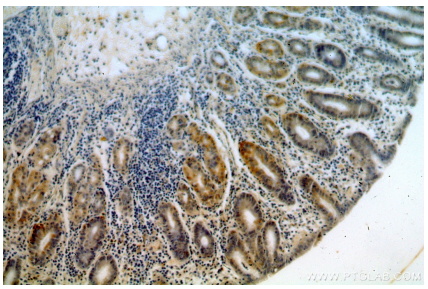
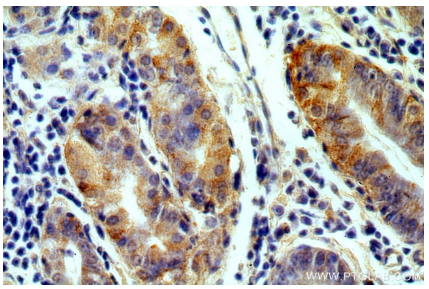
Selected Validation Data



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).