For Research Use Only

# GPR155 Polyclonal antibody

Catalog Number:12659-1-AP

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## Basic Information

Catalog Number:
12659-1-AP

Size:
150ul , Concentration: 650 μg/ml by Nanodrop and 400 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3328

GenBank Accession Number:
BC028730

GeneID (NCBI):
151556

Full Name:
G protein-coupled receptor 155

Calculated MW:
870 aa, 97 kDa

Observed MW:
97 kDa, 75 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:50-1:500

## Applications

Tested Applications:
IHC, IP, WB, ELISA

Species Specificity:
human, 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:

WB : mouse brain tissue,

IP : mouse brain tissue,

IHC : human brain tissue, mouse brain tissue

## Background Information

The G Protein-coupled receptor 155 (GPR155), also known as Lysosomal cholesterol signaling protein (LYCHOS), is a cholesterol receptor on the lysosome. GRR155 plays a role in the cholesterol-sensing lysosomal pathway and couples cholesterol concentration to MTORC1-dependent anabolic signaling (PMID: 36007018). GPR155 may represent a biomarker for diagnosing and predicting hematogenous metastasis of gastric cancer (PMID: 28165032).

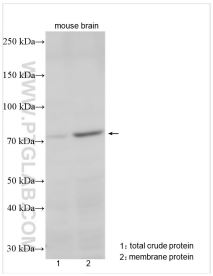
## Storage

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

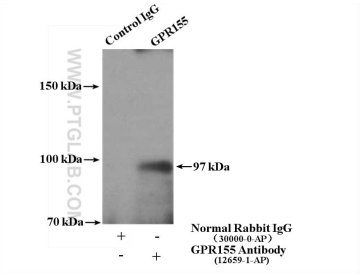
***** 20ul sizes contain 0.1% BSA**

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

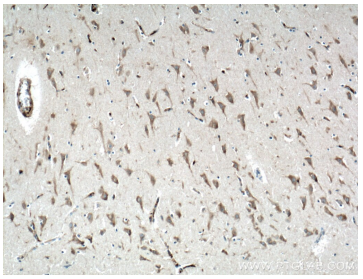
## Selected Validation Data



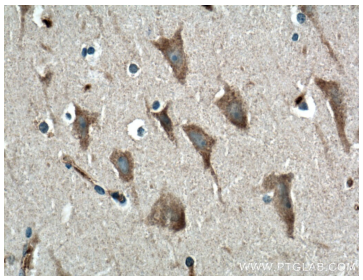

mouse brain lysates were subjected to SDS PAGE followed by western blot with 12659-1-AP (GPR155 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.




IP Result of anti-GPR155 (IP:12659-1-AP, 4ug; Detection:12659-1-AP 1:300) with mouse brain tissue lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12659-1-AP (GPR155 Antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12659-1-AP (GPR155 Antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).