

For Research Use Only

# GPR155 Polyclonal antibody

Catalog Number: 12659-1-AP

1 Publications



## Basic Information

### Catalog Number:

12659-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3328

### GenBank Accession Number:

BC028730

### GeneID (NCBI):

151556

### UNIPROT ID:

Q7Z3F1

### 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 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

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. GPR155 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Li Liu	38678850	Pathol Res Pract	WB, 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

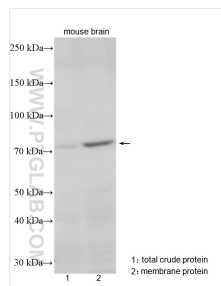
For technical support and original validation data for this product please contact:

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

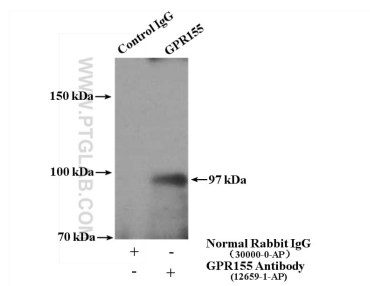
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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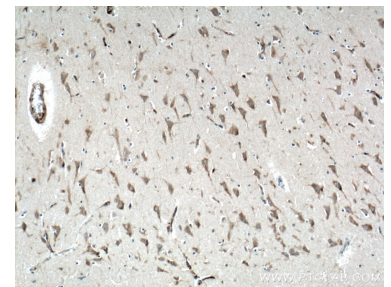
## Selected Validation Data



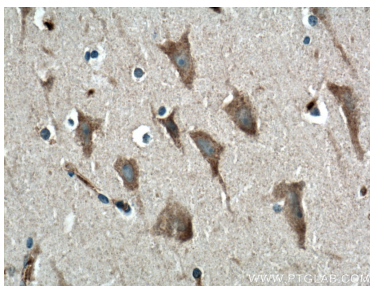
mouse brain lysates were subjected to SDS PAGE followed by western blot with 12659-1-AP (GPR155 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).