

For Research Use Only

# GP2 Recombinant antibody

Catalog Number: 84728-4-RR



## Basic Information

Catalog Number:

84728-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001007240.2

GeneID (NCBI):

2813

UNIPROT ID:

P55259-1

Full Name:

glycoprotein 2 (zymogen granule membrane)

Calculated MW:

59 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

242300F9

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

## Background Information

Pancreatic secretory granule membrane major glycoprotein (GP2) is the most abundant membrane component of zymogen granules secreted by pancreatic acinar cells (PMID: 8190715). GP2 associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. It is released from the membrane of mature zymogen granules by an enzymatic mechanism (PMID: 2011597). GP2 plays a role in defense against adhesive and invasive commensal bacteria during intestinal inflammation (PMID: 33594081). GP2 is preferentially expressed in acinar cell carcinomas of the pancreas but the glycoprotein can rarely also be expressed in a variety of other tumor entities (PMID: 36137400). The apparent molecular weight of GP2 is 70-100 kDa, which is larger than the calculated molecular weight, due to glycosylation (PMID: 19627615; 30186250).

## 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

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

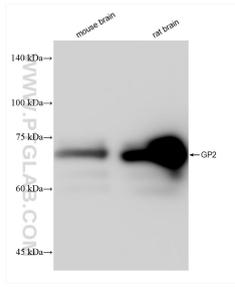
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 84728-4-RR (GP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.