

For Research Use Only

PGC Polyclonal antibody

Catalog Number: 28532-1-AP

2 Publications



Basic Information

Catalog Number:

28532-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29347

GenBank Accession Number:

BC073740

GeneID (NCBI):

5225

UNIPROT ID:

P20142

Full Name:

progastricsin (pepsinogen C)

Calculated MW:

388 aa, 42 kDa

Observed MW:

34-42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 stomach tissue, rat stomach tissue

IHC : human stomach tissue,

Background Information

Pepsinogen II also known as progastricsin or PGC(pepsinogen C), is an aspartic protease expressed primarily in gastric chief cells and is a novel marker of type 2 cells with advantages over many of the current markers used to identify type 2 cells in the developing lung(PMID:14578117). It is involved in proteolysis and peptidolysis. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Mei-Fei Wu	36476627	Cell Biosci	WB
Hua-Chuan Zheng	37247123	Transgenic Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

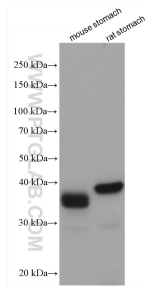
T: 4006900926

E: Proteintech-CN@ptglab.com

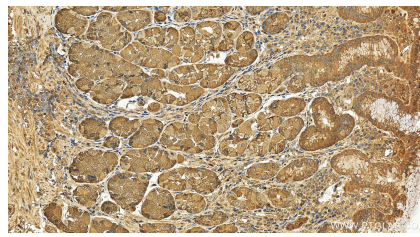
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28532-1-AP (PGC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 28532-1-AP (PGC antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).