

For Research Use Only

PGC Polyclonal antibody

Catalog Number: 28532-1-AP

2 Publications



Basic Information

Catalog Number: 28532-1-AP	GenBank Accession Number: BC073740	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 5225	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P20142	
Isotype: IgG	Full Name: progastricsin (pepsinogen C)	
Immunogen Catalog Number: AG29347	Calculated MW: 388 aa, 42 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse stomach tissue, rat stomach tissue
Species Specificity: human, mouse, rat	IHC : human stomach tissue,
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*

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

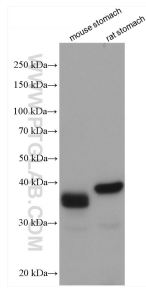
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

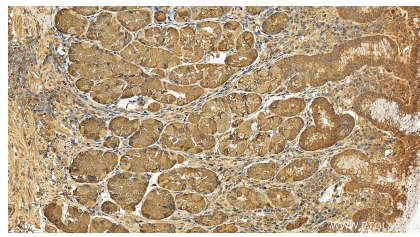
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).