

Pepsinogen II Polyclonal antibody

Catalog Number: 16881-1-AP

Basic Information

Catalog Number:

16881-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10332

GenBank Accession Number:

BC073740

GeneID (NCBI):

5225

UNIPROT ID:

P20142

Full Name:

progastricsin (pepsinogen C)

Calculated MW:

388 aa, 42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, 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 : human stomach tissue, mouse stomach tissue

IHC : human stomach cancer 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.

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:

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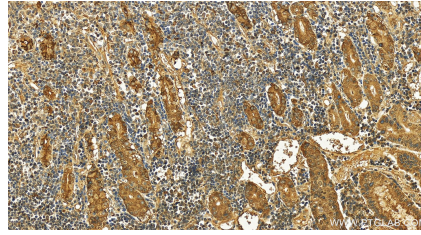
W: ptgcn.com

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Selected Validation Data



human stomach tissue were subjected to SDS PAGE followed by western blot with 16881-1-AP (Pepsinogen II antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16881-1-AP (Pepsinogen II antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).