

For Research Use Only

Pepsinogen II Polyclonal antibody

Catalog Number: 16881-1-AP



Basic Information

Catalog Number: 16881-1-AP	GenBank Accession Number: BC073740	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 5225	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P20142	
Isotype: IgG	Full Name: progastricsin (pepsinogen C)	
Immunogen Catalog Number: AG10332	Calculated MW: 388 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:

IHC, WB, 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:

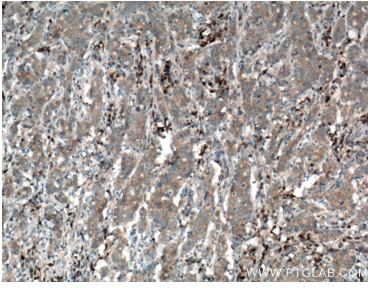
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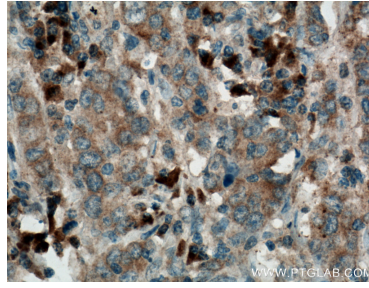
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16881-1-AP (Pepsinogen II antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16881-1-AP (Pepsinogen II antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.