

For Research Use Only

Amylase Alpha Polyclonal antibody

Catalog Number: 12540-1-AP

16 Publications



Basic Information

Catalog Number:

12540-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3260

GenBank Accession Number:

BC011179

GeneID (NCBI):

280

UNIPROT ID:

P19961

Full Name:

amylase, alpha 2B (pancreatic)

Calculated MW:

511 aa, 58 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 pancreas tissue,

IHC : human pancreas cancer tissue,

Background Information

AMY2B(alpha-amylase 2B) belongs to the glycosyl hydrolase 13 family. This protein is involved in the endohydrolysis of 1,4-alpha-glucosidic linkages in oligosaccharides and polysaccharides. The full length 58 kDa protein has a signal peptide with 15 amino acids. Human amylases (Amy1, Amy2A, and Amy2B) commonly have two potential N-glycosylation sites (N427 and N476) in their C-terminal region (S Takashima, J Amano, 2012). 12540-1-AP can recognize both AMY2A and AMY2B.

Notable Publications

Author	Pubmed ID	Journal	Application
Takafumi Fuchino	35672698	BMC Gastroenterol	IHC
Xufeng Tao	32070876	Biomed Pharmacother	IF
Mengmeng Liu	34890544	Eur J Pharmacol	IF

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:

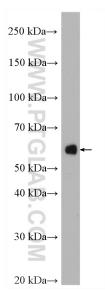
T: 4006900926

E: Proteintech-CN@ptglab.com

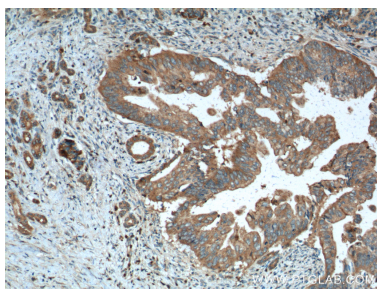
W: ptgcn.com

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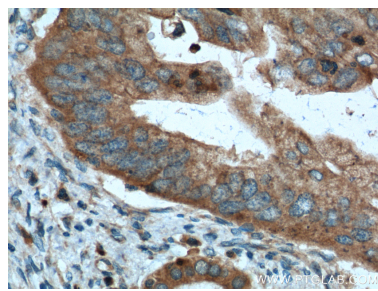
Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 12540-1-AP (Amylase, alpha antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12540-1-AP (Amylase, alpha 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 pancreas cancer tissue slide using 12540-1-AP (Amylase, alpha antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).