

For Research Use Only

Pancreatic alpha-amylase Polyclonal antibody

Catalog Number: 15845-1-AP

2 Publications



Basic Information

Catalog Number:

15845-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8605

GenBank Accession Number:

BC007060

GeneID (NCBI):

279

UNIPROT ID:

P04746

Full Name:

amylase, alpha 2A (pancreatic)

Calculated MW:

511 aa, 58 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

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 liver tissue, mouse pancreas tissue

IHC : human pancreas tissue,

Background Information

The complete human amylase gene contains five intact genes: two pancreatic genes (AMY2A and AMY2B) and three salivary genes (AMY1A, AMY1B, and AMY1C). AMY2A (Pancreatic alpha-amylase) is also named as PA and is a 56 kDa protein consisting of 496 amino acids in a single polypeptide chain, folded into three domains (PMID:10657258). AMY2A and AMY2B transcripts are present in the human pancreas but not in the parotid salivary gland, while AMY1 transcripts are present in the parotid gland but not in the pancreas (PMID:1692956). 15845-1-AP can recognize both AMY1 and AMY2.

Notable Publications

Author	Pubmed ID	Journal	Application
Satoshi Furukawa	28190929	J Toxicol Pathol	IHC
Takayasu Moroki	33976473	J Toxicol Pathol	IHC

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

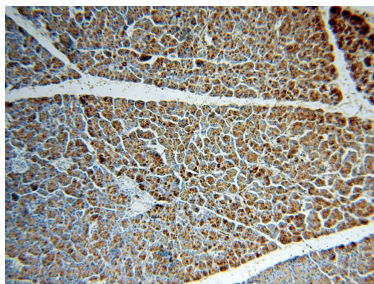
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

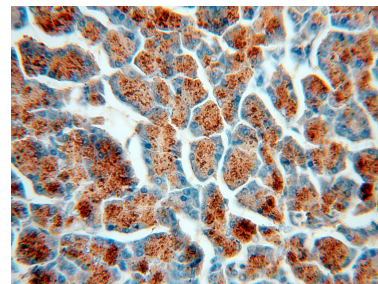
Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 15845-1-AP (Amylase, alpha antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas using 15845-1-AP (Amylase, alpha antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas using 15845-1-AP (Amylase, alpha antibody) at dilution of 1:100 (under 40x lens).