

For Research Use Only

Amylase Alpha Polyclonal antibody

Catalog Number: 15845-1-AP

2 Publications



Basic Information

Catalog Number: 15845-1-AP	GenBank Accession Number: BC007060	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 279	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P04746	
Isotype: IgG	Full Name: amylase, alpha 2A (pancreatic)	
Immunogen Catalog Number: AG8605	Calculated MW: 511 aa, 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: IHC	WB : human liver tissue, mouse pancreas tissue
Species Specificity: human, mouse	IHC : human pancreas tissue,
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

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

*** 20ul sizes contain 0.1% BSA

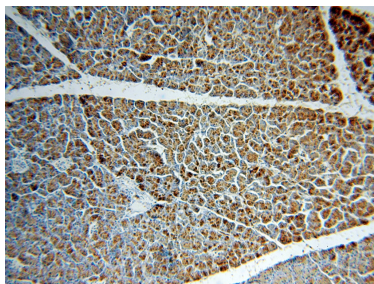
For technical support and original validation data for this product please contact:
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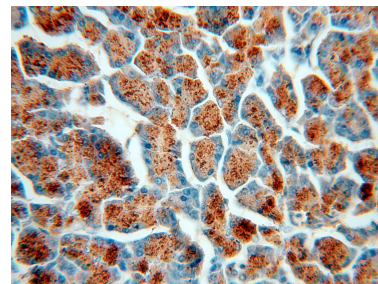
Selected Validation Data



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).