

For Research Use Only

Pancreatic Lipase Polyclonal antibody



Catalog Number: 11209-1-AP **3 Publications**

Basic Information

Catalog Number: 11209-1-AP	GenBank Accession Number: BC014309	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5406	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000
Source: Rabbit	Full Name: pancreatic lipase	
Isotype: IgG	Calculated MW: 52 kDa	
Immunogen Catalog Number: AG1681	Observed MW: 52 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : BxPC-3 cells, human pancreas tissue, mouse pancreas tissue
Species Specificity: human, mouse	IHC : mouse pancreas tissue, human pancreas cancer tissue, human pancreas tissue
Cited Species: human, mouse, pig	
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 pancreatic triacylglycerol lipase precursor (PNLIP), a 56 kDa protein secreted by the pancreas that is essential for the hydrolysis and absorption of long-chain triglyceride fatty acids in the intestine is located ~1 Mb upstream from the chromosome 10 peak (PMID:17890784). It is also named as PL, PTL and belongs to the AB hydrolase superfamily. It may potentially be involved in the pathophysiology of traumatic brain injury and may be implicated in the proliferation of astrocytes and the recovery of neurological outcomes (PMID:19760487). The full length protein has a signal peptide with 16 amino acid and a glycosylation site.

Notable Publications

Author	Pubmed ID	Journal	Application
Kyunghwa Baek	29538343	Int J Mol Sci	IHC
Olajumoke Akinsulire	31441521	JPEN J Parenter Enteral Nutr	WB
Chao Deng	37293179	Am J Cancer Res	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

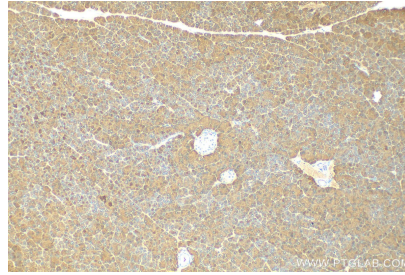
*** 20ul sizes contain 0.1% BSA

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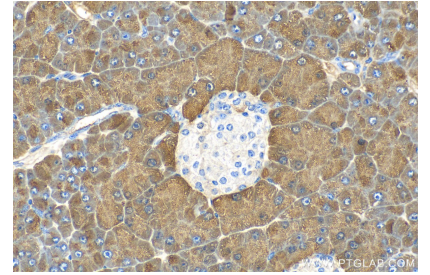
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Selected Validation Data


BxPC-3 cells were subjected to SDS PAGE followed by western blot with 11209-1-AP (Pancreatic Lipase antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 11209-1-AP (Pancreatic Lipase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 11209-1-AP (Pancreatic Lipase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).