10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PNLIP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16041b

Product Information

Application	WB, IHC-P, E
Primary Accession	P16233
Other Accession	NP_000927.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35266
Calculated MW	51157
Antigen Region	312-341

Additional Information

Gene ID	5406
Other Names	Pancreatic triacylglycerol lipase, PL, PTL, Pancreatic lipase, PNLIP
Target/Specificity	This PNLIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 312-341 amino acids from the C-terminal region of human PNLIP.
Dilution	WB~~1:1000 IHC-P~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PNLIP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PNLIP (HGNC:9155)
Function	Plays an important role in fat metabolism. It preferentially splits the esters of long-chain fatty acids at positions 1 and 3, producing mainly 2-monoacylglycerol and free fatty acids, and shows considerably higher activity against insoluble emulsified substrates than against soluble ones.

Cellular Location Secreted.

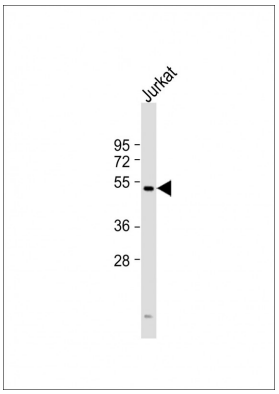
Background

This gene is a member of the lipase gene family. It encodes a carboxyl esterase that hydrolyzes insoluble, emulsified triglycerides, and is essential for the efficient digestion of dietary fats. This gene is expressed specifically in the pancreas.

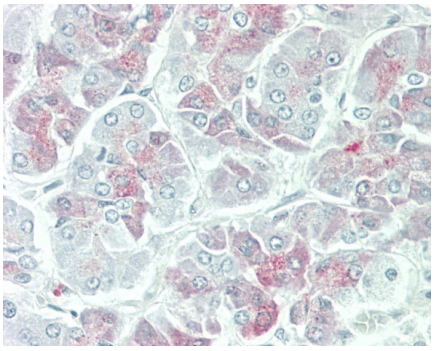
References

Colin, D.Y., et al. Protein Eng. Des. Sel. 23(5):365-373(2010)
Ranaldi, S., et al. Biochemistry 49(10):2140-2149(2010)
Bourbon-Freie, A., et al. J. Biol. Chem. 284(21):14157-14164(2009)
Ranaldi, S., et al. Biochemistry 48(3):630-638(2009)
Colin, D.Y., et al. Biochem. Biophys. Res. Commun. 370(3):394-398(2008)

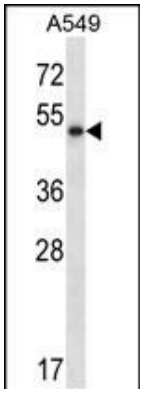
Images



Anti-PNLIP Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded H.pancreas tissue reacted with PNLIP Antibody (C-term) (Cat#AP16041b).



PNLIP Antibody (C-term) (Cat. #AP16041b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PNLIP antibody detected the PNLIP protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.