

**PNLIP Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16041b**

**Specification**

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**PNLIP Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, IHC-P,E                 |
| Primary Accession | <a href="#">P16233</a>      |
| Other Accession   | <a href="#">NP_000927.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 51157                       |
| Antigen Region    | 312-341                     |

**PNLIP Antibody (C-term) - 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.

**PNLIP Antibody (C-term) - 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**

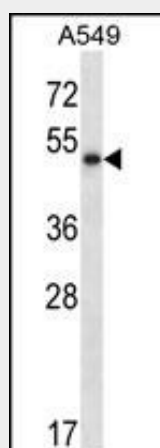
Secreted.

**PNLIP Antibody (C-term) - Protocols**

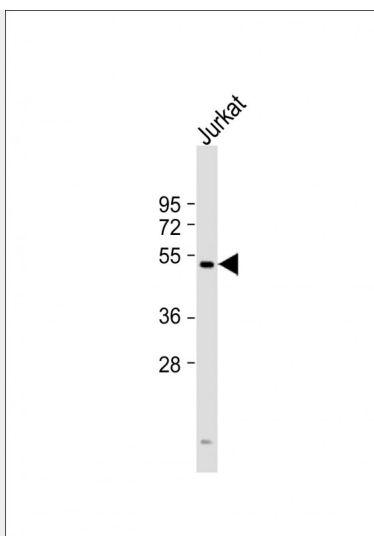
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

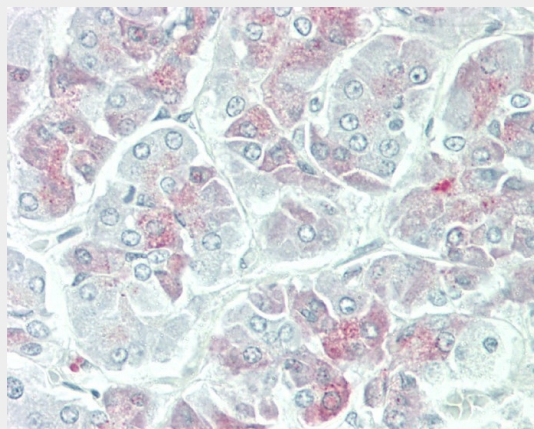
**PNLIP Antibody (C-term) - Images**



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).



Anti-PNLIP Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20  $\mu$ g 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) - 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.

### **PNLIP Antibody (C-term) - 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)