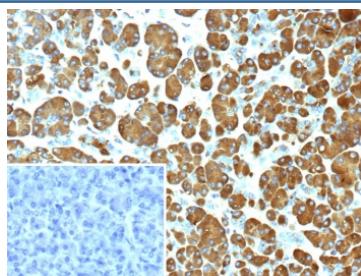


## Pancreatic triacylglycerol lipase Antibody / PNLIP [clone PNLIP/9038] (V5775)

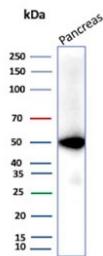
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V5775-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5775-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5775SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

### Bulk quote request

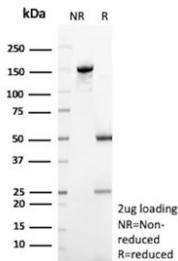
|                    |   |
|--------------------|---|
| Availability       | 1-3 business days   |
| Species Reactivity | Human   |
| Format             | Purified  |
| Host               | Mouse   |
| Clonality          | Monoclonal (mouse origin)   |
| Isotype            | Mouse IgG2b, kappa  |
| Clone Name         | PNLIP/9038  |
| Purity             | Protein G affinity  |
| UniProt            | P16233  |
| Localization       | Secreted  |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml<br>Western Blot : 2-4ug/ml                   |
| Limitations        | This Pancreatic triacylglycerol lipase antibody is available for research use only. |



IHC staining of FFPE human pancreas tissue with Pancreatic triacylglycerol lipase antibody (clone PNLIP/9038). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human pancreas tissue lysate with Pancreatic triacylglycerol lipase antibody (clone PNLIP/9038). Predicted molecular weight ~51 kDa.



SDS-PAGE analysis of purified, BSA-free Pancreatic triacylglycerol lipase antibody (clone PNLIP/9038) as confirmation of integrity and purity.

## Description

The lipase gene family belongs to one of the most robust genetic superfamilies found in living organisms, which includes esterases and thioesterases. Members of the AB hydrolase subfamily include hepatic lipase (HL), endothelial lipase (EL), lipoprotein lipase (LPL), Pancreatic Lipase (PL), gastric lipase (GL) and LCAT. These family members play a crucial role in the metabolism of lipids. Pancreatic Lipase, also designated pancreatic triacylglycerol acyl hydrolase, is important for dietary fat absorption as it hydrolyses triglycerides into diglycerides, monoglycerides and free fatty acids.

## Application Notes

Optimal dilution of the Pancreatic triacylglycerol lipase antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 265-465 from human PNLIP protein was used as the immunogen for the Pancreatic triacylglycerol lipase antibody.

## Storage

Aliquot the Pancreatic triacylglycerol lipase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.