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

# PNLIPRP2 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10569

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | P54317 |
| **Reactivity** | Human, Mouse, Rat, Pig, Bovine |
| **Predicted** | Human, Mouse, Rat, Pig, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 51961 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 5408 |
| **Other Names** | Pancreatic lipase-related protein 2, PL-RP2, 3.1.1.26, 3.1.1.3, Galactolipase, PNLIPRP2, PLRP2 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 &mu, l of distilled water. Final Anti-PNLIPRP2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | PNLIPRP2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

| | |
|---|---|
| **Name** | PNLIPRP2 ( HGNC:9157) |
| **Function** | Lipase that primarily hydrolyzes triglycerides and galactosylglycerides (PubMed:15287741, PubMed:17401110, PubMed:18702514, PubMed:19451396, PubMed:20083229, PubMed:21865348, PubMed:26494624). In neonates, may play a major role in pancreatic digestion of dietary fats such as milk fat globules enriched in long- chain triglycerides (PubMed:19824014, PubMed:21652702, PubMed:23732775). Hydrolyzes short-, medium- and long-chain fatty acyls in triglycerides without apparent positional specificity (PubMed:15287741, PubMed:17401110, PubMed:18702514, PubMed:21652702, PubMed:21865348). Can completely deacylate triacylglycerols (PubMed:21865348). When the liver matures and bile salt synthesis increases, likely functions mainly as a galactolipase and monoacylglycerol lipase. Hydrolyzes monogalactosyldiglycerols (MGDG) and digalactosyldiacylglycerols (DGDG) present in a plant-based diet, releasing |

long-chain polyunsaturated fatty acids (PubMed:15287741, PubMed:17401110, PubMed:18702514, PubMed:20083229, PubMed:26494624). Hydrolyzes medium- and long-chain fatty acyls in galactolipids (PubMed:18702514, PubMed:20083229). May act together with LIPF to hydrolyze partially digested triglycerides (PubMed:23732775). Hydrolyzes long-chain monoglycerides with high efficiency (PubMed:17401110, PubMed:21652702, PubMed:23732775). In cytotoxic T cells, contributes to perforin-dependent cell lysis, but is unlikely to mediate direct cytotoxicity (By similarity). Also has low phospholipase activity (PubMed:17401110, PubMed:18702514). In neurons, required for the localization of the phospholipid 1-oleoyl-2-palmitoyl-PC (OPPC) to neurite tips through acyl chain remodeling of membrane phospholipids (By similarity). The resulting OPPC-rich lipid membrane domain recruits the t-SNARE protein STX4 by selectively interacting with the STX4 transmembrane domain and this promotes surface expression of the dopamine transporter SLC6A3/DAT at neurite tips by facilitating fusion of SLC6A3-containing transport vesicles with the plasma membrane (By similarity).

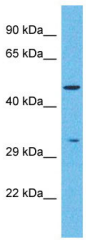
**Cellular Location**

Secreted. Zymogen granule membrane {ECO:0000250|UniProtKB:P54318}; Peripheral membrane protein {ECO:0000250|UniProtKB:P54318}. Cell projection, neuron projection {ECO:0000250|UniProtKB:P54318}. Note=Localizes to neurite tips in neuronal cells. {ECO:0000250|UniProtKB:P54318}

**Tissue Location**

Pancreas..

## Images




Host:Rabbit
Target Name:PNLIPRP2
Sample Tissue: Stomach Tumor lysates
Antibody Dilution:1.ug/ml

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