

PNPLA4 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13971b**Specification**

PNPLA4 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P41247](#)**PNPLA4 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 8228**Other Names**

Patatin-like phospholipase domain-containing protein 4, Protein GS2, PNPLA4, DXS1283E, GS2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13971b was selected from the C-term region of PNPLA4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PNPLA4 Antibody (C-term) Blocking peptide - Protein Information**Name** PNPLA4 ([HGNC:24887](#))**Function**

Has abundant triacylglycerol lipase activity (PubMed:15364929, PubMed:16150821, PubMed:17603008). Transfers fatty acid from triglyceride to retinol, hydrolyzes retinylesters, and generates 1,3-diacylglycerol from triglycerides (PubMed:17603008). Additionally possesses acylglycerol transacylase and phospholipase A2 activities (PubMed:15364929, PubMed:17603008).

Cellular Location

Mitochondrion.

Tissue Location

Expressed in all tissues examined, including heart, brain, placenta, lung, liver, muscle, kidney, pancreas and spleen

PNPLA4 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PNPLA4 Antibody (C-term) Blocking peptide - Images**PNPLA4 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the patatin-like family of phospholipases. The encoded enzyme has both triacylglycerol lipase and transacylase activities and may be involved in adipocyte triglyceride homeostasis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome Y.

PNPLA4 Antibody (C-term) Blocking peptide - References

Gao, J.G., et al. Mol. Genet. Metab. 96(4):253-260(2009) Kienesberger, P.C., et al. J. Lipid Res. 50 SUPPL, S63-S68 (2009) :Johansson, L.E., et al. PLoS ONE 4 (4), E5327 (2009) :Gao, J.G., et al. Biochem. Biophys. Res. Commun. 360(2):501-506(2007) Wilson, P.A., et al. J. Lipid Res. 47(9):1940-1949(2006)