

GPAM Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10150c**Specification**

GPAM Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9HCL2](#)
Other Accession [NP_065969.3](#)

GPAM Antibody (Center) Blocking peptide - Additional Information

Gene ID 57678

Other Names

Glycerol-3-phosphate acyltransferase 1, mitochondrial, GPAT-1, GPAM, GPAT1, KIAA1560

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.

GPAM Antibody (Center) Blocking peptide - Protein Information

Name GPAM ([HGNC:24865](#))

Synonyms GPAT1, KIAA1560

Function

Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipids biosynthesis such as triglycerides, phosphatidic acids and lysophosphatidic acids.

Cellular Location

Mitochondrion outer membrane {ECO:0000250|UniProtKB:P97564}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P97564}

GPAM Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GPAM Antibody (Center) Blocking peptide - Images

GPAM Antibody (Center) Blocking peptide - Background

Glycerol-3-phosphate acyltransferase (GPAT; EC 2.3.1.15), which catalyzes the initial and committing step in glycerolipid biosynthesis, is predicted to play a pivotal role in the regulation of cellular triacylglycerol and phospholipid levels. Two mammalian forms of GPAT have been identified on the basis of localization to either the endoplasmic reticulum or mitochondria. [supplied by OMIM].

GPAM Antibody (Center) Blocking peptide - References

Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Reiling, E., et al. Eur. J. Hum. Genet. 17(8):1056-1062(2009) Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008) Chen, Y.Q., et al. J. Biol. Chem. 283(15):10048-10057(2008) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)