

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

**Specification**

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**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)