

**GNPAT Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6909b****Specification**

---

**GNPAT Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O15228](#)**GNPAT Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 8443

**Other Names**

Dihydroxyacetone phosphate acyltransferase, DAP-AT, DHAP-AT,  
Acyl-CoA:dihydroxyacetonephosphate acyltransferase, Glycerone-phosphate O-acyltransferase,  
GNPAT, DAPAT, DHAPAT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6909b](/products/AP6909b) was selected from the C-term region of human GNPAT. 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.

**GNPAT Antibody (C-term) Blocking Peptide - Protein Information**Name GNPAT ([HGNC:4416](#))**Function**

Dihydroxyacetonephosphate acyltransferase catalyzing the first step in the biosynthesis of plasmalogens, a subset of phospholipids that differ from other glycerolipids by having an alkyl chain attached through a vinyl ether linkage at the sn-1 position of the glycerol backbone, and which unique physical properties have an impact on various aspects of cell signaling and membrane biology.

**Cellular Location**

Peroxisome membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9ES71}; Matrix side {ECO:0000250|UniProtKB:Q9ES71}. Note=Exclusively localized to the luminal side of the peroxisomal membrane {ECO:0000250|UniProtKB:Q9ES71}

**GNPAT Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GNPAT Antibody (C-term) Blocking Peptide - Images****GNPAT Antibody (C-term) Blocking Peptide - Background**

GNPAT is an enzyme located in the peroxisomal membrane which is essential to the synthesis of ether phospholipids.

**GNPAT Antibody (C-term) Blocking Peptide - References**

Ofman,R., et.al., Biochem. Biophys. Res. Commun. 281 (3), 754-760 (2001)