

**DPAGT1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13970a****Specification**

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**DPAGT1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9H3H5](#)**DPAGT1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1798**Other Names**

UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminophosphotransferase, GlcNAc-1-P transferase, G1PT, GPT, N-acetylglucosamine-1-phosphate transferase, DPAGT1, DPAGT2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13970a was selected from the N-term region of DPAGT1. 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.

**DPAGT1 Antibody (N-term) Blocking peptide - Protein Information****Name** GPT**Function**

Catalyzes the initial step of dolichol-linked oligosaccharide biosynthesis in N-linked protein glycosylation pathway: transfers GlcNAc-1-P from UDP-GlcNAc onto the carrier lipid dolichyl phosphate (P-dolichol), yielding GlcNAc-P-P-dolichol.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**DPAGT1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **DPAGT1 Antibody (N-term) Blocking peptide - Images**

#### **DPAGT1 Antibody (N-term) Blocking peptide - Background**

The protein encoded by this gene is an enzyme that catalyzes the first step in the dolichol-linked oligosaccharide pathway for glycoprotein biosynthesis. This enzyme belongs to the glycosyltransferase family 4. This protein is an integral membrane protein of the endoplasmic reticulum. The congenital disorder of glycosylation type Ij is caused by mutation in the gene encoding this enzyme.

#### **DPAGT1 Antibody (N-term) Blocking peptide - References**

Sengupta, P.K., et al. J. Biol. Chem. 285(41):31164-31173(2010) Nita-Lazar, M., et al. Cancer Res. 69(14):5673-5680(2009) Bretthauer, R.K. Curr Drug Targets 10(6):477-482(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Wu, X., et al. Hum. Mutat. 22(2):144-150(2003)