

**DPAGT1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13970a**

**Specification**

**DPAGT1 Antibody (N-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">Q9H3H5</a>
Other Accession	<a href="#">NP_001373.2</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>46090</b>
Antigen Region	<b>28-57</b>

**DPAGT1 Antibody (N-term) - 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**

This DPAGT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-57 amino acids from the N-terminal region of human DPAGT1.

**Dilution**

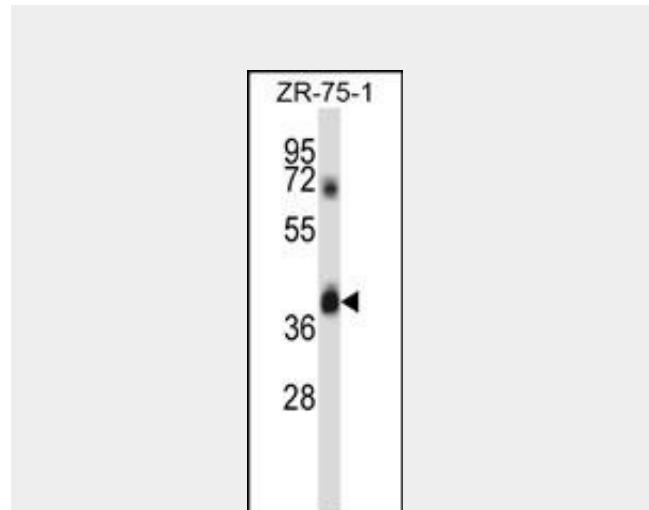
WB~~1:1000

**Format**

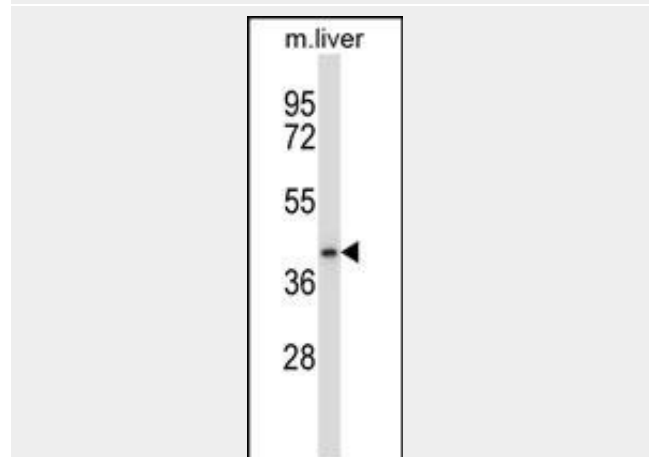
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



DPAGT1 Antibody (N-term) (Cat. #AP13970a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the DPAGT1 antibody detected the DPAGT1 protein (arrow).



DPAGT1 Antibody (N-term) (Cat. #AP13970a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the DPAGT1 antibody detected the DPAGT1 protein (arrow).

**DPAGT1 Antibody (N-term) - Background**

The protein encoded by this gene is an enzyme that catalyzes the first step in the dolichol-linked

**Precautions**

DPAGT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DPAGT1 Antibody (N-term) - 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

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) - 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)

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

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)