

ALG8 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18533a**Specification**

ALG8 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9BVK2](#)**ALG8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79053**Other Names**

Probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1, 3-glucosyltransferase, Asparagine-linked glycosylation protein 8 homolog, Dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1, 3-glucosyltransferase, Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase, ALG8

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.

ALG8 Antibody (N-term) Blocking Peptide - Protein Information**Name** ALG8 {ECO:0000303|PubMed:28375157, ECO:0000312|HGNC:HGNC:23161}**Function**

Adds the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. Transfers glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc(1)Man(9)GlcNAc(2)-PP-Dol before it is transferred to the nascent peptide (By similarity). Required for PKD1/Polycystin-1 maturation and localization to the plasma membrane of the primary cilia (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

ALG8 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ALG8 Antibody (N-term) Blocking Peptide - Images

ALG8 Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation of proteins. Mutations in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-1h). Alternatively spliced transcript variants encoding different isoforms have been identified.

ALG8 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Stolting, T., et al. Mol. Genet. Metab. 98(3):305-309(2009)Jaeken, J., et al. Curr. Opin. Pediatr. 16(4):434-439(2004)Schollen, E., et al. J. Med. Genet. 41(7):550-556(2004)Jaeken, J. J. Inherit. Metab. Dis. 27(3):423-426(2004)