

ALG10 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9961a**Specification**

ALG10 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q5BKT4](#)

ALG10 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 84920

Other Names

Dol-P-Glc:Glc(2)Man(9)GlcNAc(2)-PP-Dol alpha-1, 2-glucosyltransferase, Alpha-1, 2-glucosyltransferase ALG10-A, Alpha-2-glucosyltransferase ALG10-A, Asparagine-linked glycosylation protein 10 homolog A, ALG10, ALG10A

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.

ALG10 Antibody (N-term) Blocking Peptide - Protein Information

Name ALG10

Synonyms ALG10A

Function

Adds the third 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(2)Man(9)GlcNAc(2)-PP-Dol.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

ALG10 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ALG10 Antibody (N-term) Blocking Peptide - Images**ALG10 Antibody (N-term) Blocking Peptide - Background**

ALG10 encodes a membrane-associated protein that adds the third glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. That is, it transfers the terminal glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc2Man9GlcNAc(2)-PP-Dol. The rat protein homolog was shown to specifically modulate the gating function of the rat neuronal ether-a-go-go (EAG) potassium ion channel.

ALG10 Antibody (N-term) Blocking Peptide - References

Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009) Seshadri, S., et al. BMC Med. Genet. 8 SUPPL 1, S15 (2007) Kupersmidt, S., et al. FASEB J. 17(15):2263-2265(2003)