

ALG10B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5630b**Specification**

ALG10B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession
Other Accession[Q5I7T1](#)
[NP_001013642.1](#)**ALG10B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 144245**Other Names**

Putative 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-B, Asparagine-linked glycosylation protein 10 homolog B, Potassium channel regulator 1, ALG10B, KCR1

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.

ALG10B Antibody (C-term) Blocking peptide - Protein Information**Name** ALG10B**Synonyms** KCR1**Function**

Putative alpha-1,2-glucosyltransferase, which 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 (By similarity). When coupled to KCNH2 may reduce KCNH2 sensitivity to classic proarrhythmic drug blockade, possibly by mediating glycosylation of KCNH2 (PubMed:14525949). Has a role in maintenance of cochlear outer hair cell function (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:O88788}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O88788}

Tissue Location

Highly expressed in heart, placenta, liver, kidney and pancreas. Weakly expressed in lung, skeletal muscle and brain

ALG10B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ALG10B Antibody (C-term) Blocking peptide - Images

ALG10B Antibody (C-term) Blocking peptide - Background

Putative alpha-1,2-glucosyltransferase, which 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. When coupled to KCNH2 may reduce KCNH2 sensitivity to classic proarrhythmic drug blockade, possibly by mediating glycosylation of KCNH2.

ALG10B Antibody (C-term) Blocking peptide - References

Daly, A.K., et al. Nat. Genet. 41(7):816-819(2009) Petersen, C.I., et al. Proc. Natl. Acad. Sci. U.S.A. 101(32):11773-11778(2004) Kupersmidt, S., et al. FASEB J. 17(15):2263-2265(2003)