10320 Camino Santa Fe, Suite G
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ALG11 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14881b

Specification

ALG11 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q2TAA5

ALG11 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 440138

Other Names
GDP-Man:Man(3)GlcNAc(2)-PP-Dol alpha-1, 2-mannosyltransferase, Asparagine-linked glycosylation protein 11 homolog, Glycolipid 2-alpha-mannosyltransferase, ALG11, GT8

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.

ALG11 Antibody (C-term) Blocking Peptide - Protein Information

Name ALG11

Synonyms GT8

Function
Mannosyltransferase involved in the last steps of the synthesis of Man5GlcNAc(2)-PP-dolichol core oligosaccharide on the cytoplasmic face of the endoplasmic reticulum. Catalyzes the addition of the 4th and 5th mannose residues to the dolichol-linked oligosaccharide chain.

Cellular Location
Endoplasmic reticulum. Endoplasmic reticulum membrane; Multi-pass membrane protein

ALG11 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ALG11 Antibody (C-term) Blocking Peptide - Images

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ALG11 Antibody (C-term) Blocking Peptide - Background

This gene encodes aGDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase whichis localized to the cytosolic side of the endoplasmic reticulum(ER) and catalyzes the transfer of the fourth and fifth mannoseresidue from GDP-mannose (GDP-Man) to Man3GlcNAc2-PP-dolichol andMan4GlcNAc2-PP-dolichol resulting in the production ofMan5GlcNAc2-PP-dolichol. Mutations in this gene are associated withcongenital disorder of glycosylation type Ip (CDGIP). This geneoverlaps but is distinct from the UTP14, U3 small nucleolarribonucleoprotein, homolog C (yeast) gene. A pseudogene of theGDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase hasbeen identified on chromosome 19.

ALG11 Antibody (C-term) Blocking Peptide - References

Rind, N., et al. Hum. Mol. Genet. 19(8):1413-1424(2010)Rohozinski, J., et al. Biol. Reprod. 74(4):644-651(2006)