

**ALG11 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14881b****Specification**

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**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**

**ALG11 Antibody (C-term) Blocking Peptide - Background**

This gene encodes aGDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase which is localized to the cytosolic side of the endoplasmic reticulum(ER) and catalyzes the transfer of the fourth and fifth mannose residue from GDP-mannose (GDP-Man) to Man3GlcNAc2-PP-dolichol and Man4GlcNAc2-PP-dolichol resulting in the production of Man5GlcNAc2-PP-dolichol. Mutations in this gene are associated with congenital disorder of glycosylation type I<sub>p</sub> (CDGIP). This gene overlaps but is distinct from the UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast) gene. A pseudogene of the GDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase has been 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)