10320 Camino Santa Fe, Suite G
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ALG5 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17876c

Specification

ALG5 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9Y673

ALG5 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 29880

Other Names
Dolichyl-phosphate beta-glucosyltransferase, DolP-glucosyltransferase, Asparagine-linked glycosylation protein 5 homolog, ALG5

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.

ALG5 Antibody (Center) Blocking Peptide - Protein Information

Name ALG5

Function
Required for the assembly of lipid-linked oligosaccharides in kidney epithelial cells, and protein N-glycosylation. Required for polycystin-1 (PKD1) glycosylation and maturation.

Cellular Location
Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location
Expressed in pancreas, placenta, liver, heart, brain, kidney, skeletal muscle, and lung

ALG5 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ALG5 Antibody (Center) Blocking Peptide - Images

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ALG5 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the glycosyltransferase 2family. The encoded protein participates in glucosylation of theoligomannose core in N-linked glycosylation of proteins. Theaddition of glucose residues to the oligomannose core is necessaryto ensure substrate recognition, and therefore, effectual transferof the oligomannose core to the nascent glycoproteins. Multipletranscript variants encoding different isoforms have been found forthis gene.

ALG5 Antibody (Center) Blocking Peptide - References

Imbach, T., et al. Proc. Natl. Acad. Sci. U.S.A. 96(12):6982-6987(1999)