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ALG8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18533a

Specification

ALG8 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BVK2
Other Accession	Q6P8H8, Q0P5D9, NP_076984.2
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**60088**
Antigen Region	**15-41**

ALG8 Antibody (N-term) - Additional Information

Gene ID 79053

Other Names
Probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1, 3-glucosyltransferase, Asparagine-linked glycosylation protein 8 homolog, Dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1, 3-glucosyltransferase, Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase, ALG8

Target/Specificity
This ALG8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-41 amino acids from the N-terminal region of human ALG8.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ALG8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ALG8 Antibody (N-term) - Protein Information

Name ALG8 {ECO:0000303|PubMed:28375157, ECO:0000312|HGNC:HGNC:23161}

Function Adds the second 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(1)Man(9)GlcNAc(2)-PP-Dol before it is transferred to the nascent peptide (By similarity). Required for PKD1/Polycystin-1 maturation and localization to the plasma membrane of the primary cilia (By similarity).

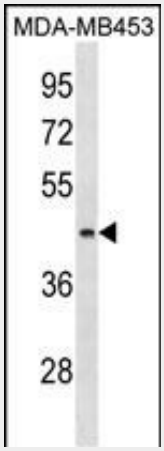
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

ALG8 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALG8 Antibody (N-term) - Images



ALG8 Antibody (N-term) (Cat. #AP18533a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the ALG8 antibody detected the ALG8 protein (arrow).

ALG8 Antibody (N-term) - Background

This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation of proteins. Mutations in this gene have been associated with congenital disorder of glycosylation type Ih (CDG-Ih). Alternatively spliced transcript variants encoding different isoforms have been identified.

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Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Stolting, T., et al. Mol. Genet. Metab. 98(3):305-309(2009)
Jaeken, J., et al. Curr. Opin. Pediatr. 16(4):434-439(2004)
Schollen, E., et al. J. Med. Genet. 41(7):550-556(2004)
Jaeken, J. J. Inherit. Metab. Dis. 27(3):423-426(2004)