

ALG6 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12727

Specification

ALG6 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9Y672
Other Accession	NM_013339 , NP_037471
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Horse, Yeast, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa kDa

ALG6 antibody - N-terminal region - Additional Information

Gene ID 29929

Alias Symbol **CDG1C**

Other Names

Dolichyl pyrophosphate Man9GlcNAc2 alpha-1, 3-glucosyltransferase, 2.4.1.267, Asparagine-linked glycosylation protein 6 homolog, Dol-P-Glc:Man(9)GlcNAc(2)-PP-Dol alpha-1, 3-glucosyltransferase, Dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase, ALG6

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ALG6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ALG6 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ALG6 antibody - N-terminal region - Protein Information

Name ALG6 ([HGNC:23157](#))

Function

Dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3- glucosyltransferase that operates in the biosynthetic pathway of dolichol-linked oligosaccharides, the glycan precursors employed in protein asparagine (N)-glycosylation. The assembly of dolichol-linked oligosaccharides begins on the cytosolic side of the endoplasmic reticulum membrane and finishes in its lumen. The sequential addition of sugars to dolichol pyrophosphate produces dolichol-linked oligosaccharides

containing fourteen sugars, including two GlcNAcs, nine mannoses and three glucoses. Once assembled, the oligosaccharide is transferred from the lipid to nascent proteins by oligosaccharyltransferases. In the lumen of the endoplasmic reticulum, adds the first glucose residue from dolichyl phosphate glucose (Dol-P- Glc) onto the lipid-linked oligosaccharide intermediate Man(9)GlcNAc(2)-PP-Dol to produce Glc(1)Man(9)GlcNAc(2)-PP-Dol. Glc(1)Man(9)GlcNAc(2)-PP-Dol is a substrate for ALG8, the following enzyme in the biosynthetic pathway.

Cellular Location

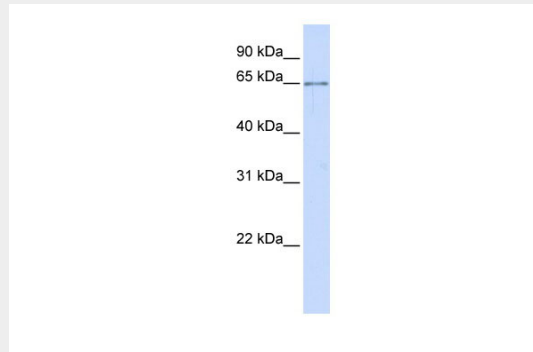
Endoplasmic reticulum membrane; Multi-pass membrane protein

ALG6 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

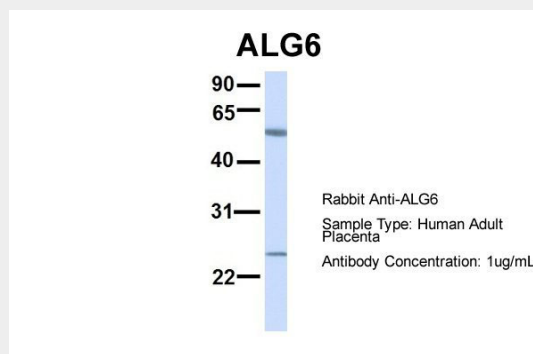
ALG6 antibody - N-terminal region - Images



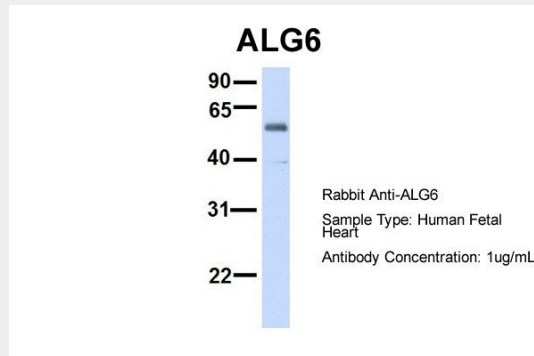
WB Suggested Anti-ALG6 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

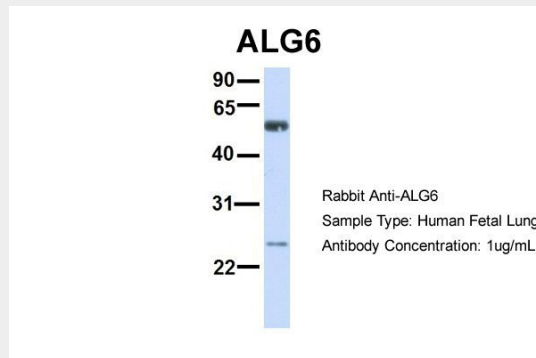
Positive Control: Hela cell lysate



Host:Rabbit
Target Name:ALG6
Sample Tissue:Human Adult Placenta
Antibody Dilution: 1.0µg/ml



Host:Rabbit
Target Name:ALG6
Sample Tissue:Human Fetal Heart
Antibody Dilution: 1.0µg/ml



Host:Rabbit
Target Name:ALG6
Sample Tissue:Human Fetal Lung
Antibody Dilution: 1.0µg/ml

ALG6 antibody - N-terminal region - References

Gregory,S.G.,(2006)Nature441(7091),315-321ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.