10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# ALG6 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12727

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | Q9Y672 |
| **Other Accession** | NM_013339, NP_037471 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast |
| **Predicted** | Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Horse, Bovine, Yeast |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 58121 |

## 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. |

## 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 |

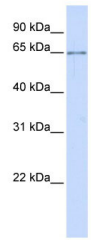
GlcNAcs, nine mannoses and three glucoses. Once assembled, the oligosaccharide is transferred from the lipid to nascent proteins by oligosaccharyltransferases. In the lumen of the endoplasmic reticulum, adds the first glucose residue from dolichyl phosphate glucose (Dol-P- Glc) onto the lipid-linked 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

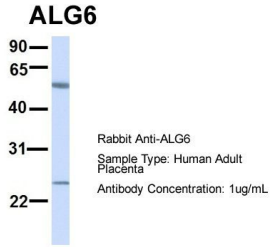
## References

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

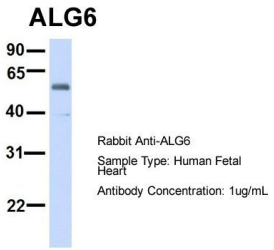
## Images



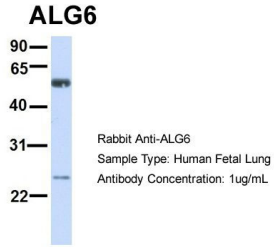

WB Suggested Anti-ALG6 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.