

**ALG6 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12728****Specification**

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**ALG6 antibody - N-terminal region - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">O9Y672</a>                                         |
| Other Accession   | <a href="#">NM_013339</a> , <a href="#">NP_037471</a>          |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog  |
| Predicted         | Human, Mouse, Rat, Zebrafish, Pig, Chicken, Horse, 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

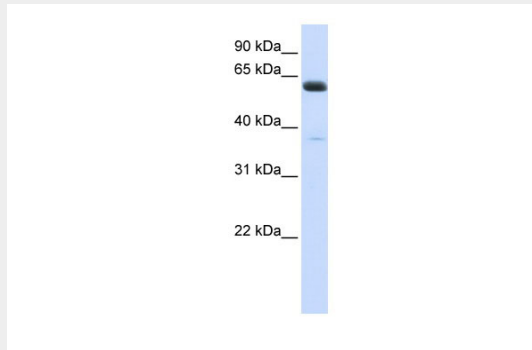
Endoplasmic reticulum membrane; Multi-pass membrane protein

#### 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: Human heart

#### ALG6 antibody - N-terminal region - References

Gregory, S.G., (2006) Nature 441(7091), 315-321 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.