abcam

## Product datasheet

# Anti-ALG1 antibody ab155935

1 Image

### Overview

| | |
|---|---|
| **Product name** | Anti-ALG1 antibody |
| **Description** | Rabbit polyclonal to ALG1 |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB |
| **Species reactivity** | **Reacts with:** Caenorhabditis elegans |
| **Immunogen** | Synthetic peptide corresponding to Caenorhabditis elegans ALG1 aa 76-97.<br>Sequence:<br>DLEEIPNSPPTQPQTFSDVPQR<br>Run BLAST with Run BLAST with |
| **Positive control** | Wild type Caenorhabditis elegans extract. |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

### Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at -20°C. |
| **Storage buffer** | Preservative: 0.05% Sodium azide<br>Constituents: 69% PBS, 30% Glycerol (glycerin, glycerine), 0.1% BSA |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab155935 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **WB** | | 1/5000. Predicted molecular weight: 112 kDa. |

## Target

**Function** Participates in the formation of the lipid-linked precursor oligosaccharide for N-glycosylation. Involved in assembling the dolichol-pyrophosphate-GlcNAc(2)-Man(5) intermediate on the cytoplasmic surface of the ER.

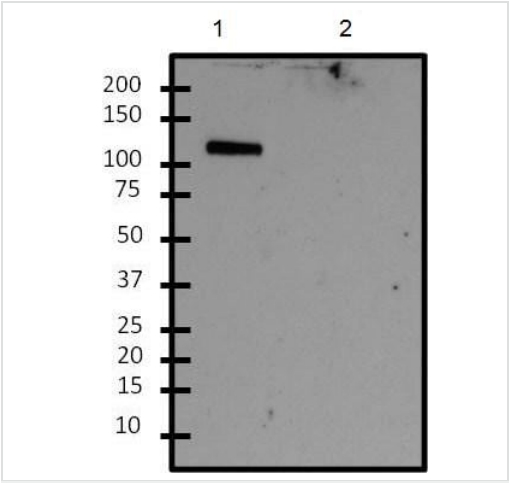
**Pathway** Protein modification; protein glycosylation.

**Involvement in disease** Defects in ALG1 are the cause of congenital disorder of glycosylation type 1K (CDG1K) [MIM:608540]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.

**Sequence similarities** Belongs to the glycosyltransferase 1 family.

**Cellular localization** Endoplasmic reticulum membrane.

## Images




Western blot - Anti-ALG1 antibody (ab155935)

**All lanes :** Anti-ALG1 antibody (ab155935) at 1/5000 dilution

**Lane 1 :** Wild type Caenorhabditis elegans extract

**Lane 2 :** ALG1 negative (-) Caenorhabditis elegans extract

Lysates/proteins at 15 µg per lane.

**Secondary**

**All lanes :** Goat anti-rabbit HRP conjugated antibody at 1/15000 dilution

**Predicted band size:** 112 kDa

4-20% Tris-HCl polyacrylamide gel.

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