abcam

Product datasheet

Anti-ALG2 antibody [EPR12006(2)(B)] ab178697

Recombinant RabMAb

2 Images

Overview

Product name	Anti-ALG2 antibody [EPR12006(2)(B)]
Description	Rabbit monoclonal [EPR12006(2)(B)] to ALG2
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide within Human ALG2 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: Q9H553
Positive control	HepG2, HeLa, A431 and Human fetal kidney lysates.
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12006(2)(B)
Isotype	IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab178697 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		1/10000 - 1/50000. Predicted molecular weight: 47 kDa.

Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

Target

Function Mannosylates Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate.

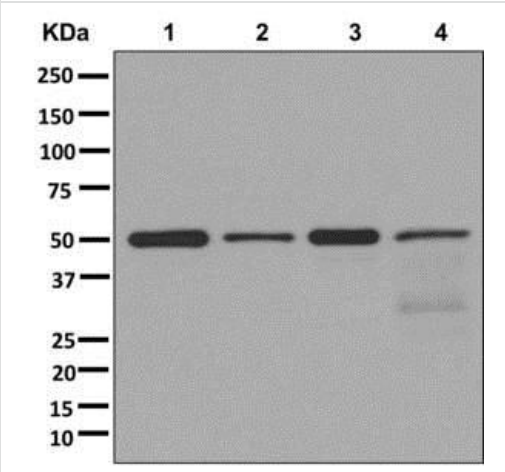
Pathway Protein modification; protein glycosylation.

Involvement in disease Defects in ALG2 are the cause of congenital disorder of glycosylation type 1I (CDG1I) [MIM:607906]. 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 Membrane.

Images



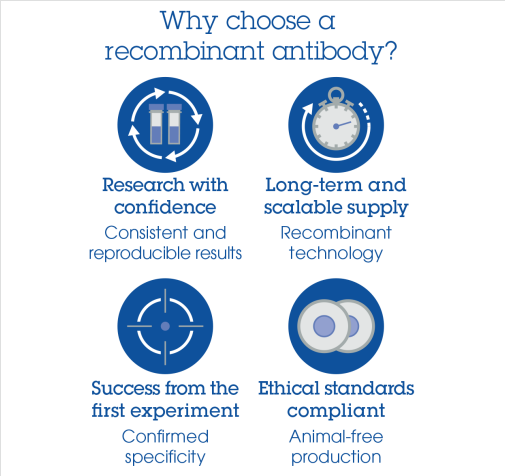
Western blot - Anti-ALG2 antibody [EPR12006(2)(B)] (ab178697)

All lanes : Anti-ALG2 antibody [EPR12006(2)(B)] (ab178697) at 1/10000 dilution

Lane 1 : HepG2 lysate
Lane 2 : HeLa lysate
Lane 3 : A431 lysate
Lane 4 : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 47 kDa



Anti-ALG2 antibody [EPR12006(2)(B)] (ab178697)

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