

Product datasheet

Anti-ALG12 antibody ab197830

[2 Images](#)

Overview

Product name	Anti-ALG12 antibody
Description	Rabbit polyclonal to ALG12
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Fusion protein corresponding to Human ALG12 (internal sequence). Gene Accssion: BC001729 Database link: Q9BV10
Positive control	PC3 cell lysate and Human thyroid cancer tissue.
General notes	<p>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.</p> <p>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</p>

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: 7.4 Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab197830 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
IHC-P		1/20 - 1/100.
WB		1/200 - 1/1000. Predicted molecular weight: 55 kDa.

Target

Function

Adds the eighth mannose residue in an alpha-1,6 linkage onto the dolichol-PP-oligosaccharide precursor (dolichol-PP-Man(7)GlcNAc(2)) required for protein glycosylation.

Tissue specificity

Expressed in fibroblasts.

Pathway

Protein modification; protein glycosylation.

Involvement in disease

Defects in ALG12 are the cause of congenital disorder of glycosylation type 1G (CDG1G) [MIM:607143]. 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.

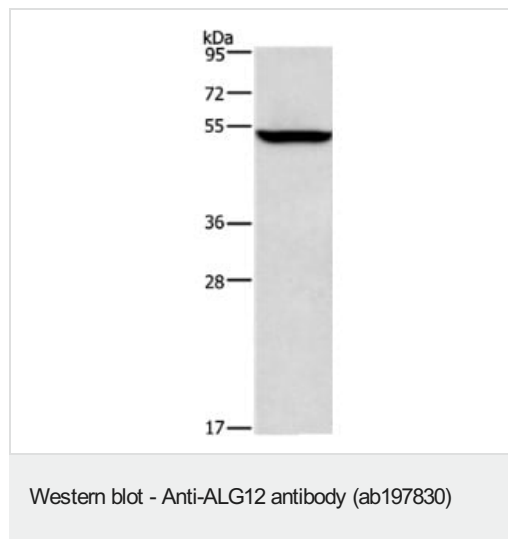
Sequence similarities

Belongs to the glycosyltransferase 22 family.

Cellular localization

Endoplasmic reticulum membrane.

Images



Anti-ALG12 antibody (ab197830) at 1/200 dilution + PC3 cell lysate at 40 µg

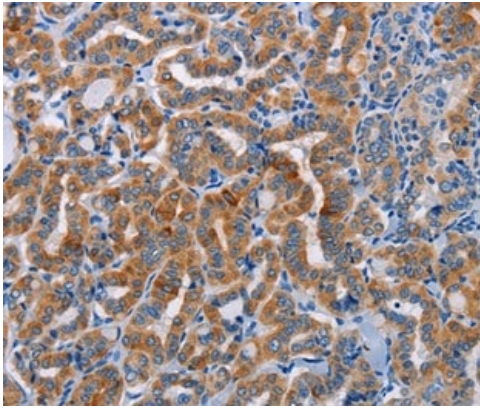
Secondary

Anti-rabbit IgG at 1/8000 dilution

Predicted band size: 55 kDa

Exposure time: 10 seconds

Gel: 8%SDS-PAGE



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue labeling ALG12 with ab197830 at 1/20 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALG12 antibody (ab197830)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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