

Product datasheet

Anti-COG7 antibody ab126183

2 Images

Overview

Product name	Anti-COG7 antibody
Description	Rabbit polyclonal to COG7
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 7-246 of Human COG7 (P83436).
Positive control	HeLa membrane cell lysate; HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.75% Glycine, 1.21% Tris, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab126183** 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		1/500 - 1/3000. Predicted molecular weight: 86 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function

Required for normal Golgi function.

Involvement in disease

Defects in COG7 are the cause of congenital disorder of glycosylation type 2E (CDG2E) [MIM:608779]. 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.

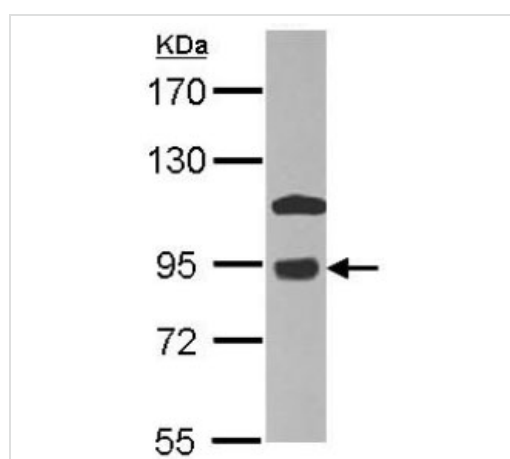
Sequence similarities

Belongs to the COG7 family.

Cellular localization

Golgi apparatus membrane.

Images

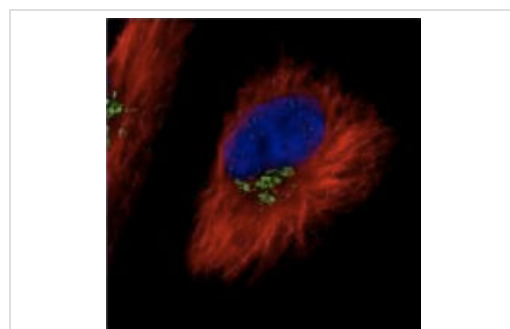


Western blot - Anti-COG7 antibody (ab126183)

Anti-COG7 antibody (ab126183) at 1/1000 dilution + HeLa membrane lysate at 20 μ g

Predicted band size: 86 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-COG7 antibody (ab126183)

ab126183, at 1/500 dilution, staining COG7 in methanol-fixed HeLa cells by Confocal immunofluorescence (green). Alpha-tubulin filaments are stained in red.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors