abcam

Product datasheet

Anti-CHM antibody ab156186

1 Image

Overview

Product name	Anti-CHM antibody
Description	Rabbit polyclonal to CHM
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to a region within central (amino acids 292-320) of Human CHM (Uniprot: P24386).
Positive control	293 cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab156186** in the following tested applications.

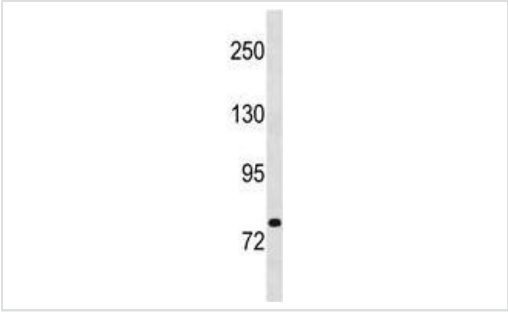
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/500. Predicted molecular weight: 73 kDa.

Target

Function	Binds unprenylated Rab proteins, presents it to the catalytic Rab GGTase dimer, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Also a pre-formed complex consisting of CHM and the Rab GGTase dimer (RGGT or component B) can bind to and prenylate Rab proteins; this alternative pathway is proposed to be the predominant pathway for Rab protein geranylgeranylation.
Involvement in disease	Defects in CHM are the cause of choroideremia (CHM) [MIM:303100]. An X-linked recessive disease characterized by a slowly progressive degeneration of the choroid, photoreceptors, and retinal pigment epithelium. Affected males develop night blindness in their teenage years followed by loss of peripheral vision and complete blindness at middle age. Carrier females are generally asymptomatic but funduscopic examination often shows patchy areas of chorioretinal atrophy.
Sequence similarities	Belongs to the Rab GDI family.

Images



Western blot - Anti-CHM antibody (ab156186)

Anti-CHM antibody (ab156186) at 1/100 dilution + 293 cell lysate at 35 µg

Predicted band size: 73 kDa

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