

Datasheet for ABIN1881197
anti-CHM antibody (AA 292-320)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	400 µL
Target:	CHM
Binding Specificity:	AA 292-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHM antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CHM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-320 amino acids from the Central region of human CHM.
Clone:	RB42411
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CHM
Alternative Name:	CHM (CHM Products)
Background:	This gene encodes component A of the RAB geranylgeranyl transferase holoenzyme. In the

Target Details

dimeric holoenzyme, this subunit binds unprenylated Rab GTPases and then presents them to the catalytic Rab GGTase subunit for the geranylgeranyl transfer reaction. Rab GTPases need to be geranylgeranylated on either one or two cysteine residues in their C-terminus to localize to the correct intracellular membrane. Mutations in this gene are a cause of choroideremia, also known as tapetochoroidal dystrophy (TCD). This X-linked disease is characterized by progressive dystrophy of the choroid, retinal pigment epithelium and retina. Alternative splicing results in multiple transcript variants encoding different isoforms.

Molecular Weight:	73476
NCBI Accession:	NP_000381 , NP_001138886
UniProt:	P24386
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Hyrskyluoto, Bruelle, Lundh, Do, Kivinen, Rappou, Reijonen, Waltimo, Petersén, Lindholm, Korhonen: "Ubiquitin-specific protease-14 reduces cellular aggregates and protects against mutant huntingtin-induced cell degeneration: involvement of the proteasome and ER stress-activated kinase IRE1?". in: Human molecular genetics , Vol. 23, Issue 22, pp. 5928-39, (2014) (PubMed).
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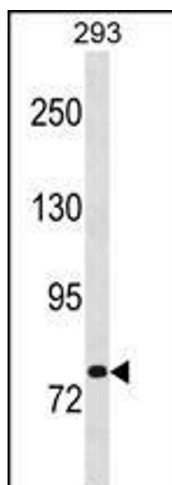
Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations detected in a host response study to hepatitis B vaccine." in: **Genes and immunity**, Vol. 11, Issue 3, pp. 232-8, (2010) ([PubMed](#)).

Chen, Qin, Li, Walters, Wilson, Mei, Wilson: "The proteasome-associated deubiquitinating enzyme Usp14 is essential for the maintenance of synaptic ubiquitin levels and the development of neuromuscular junctions." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 35, pp. 10909-19, (2009) ([PubMed](#)).

Nagai, Kadowaki, Maruyama, Takeda, Nishitoh, Ichijo: "USP14 inhibits ER-associated degradation via interaction with IRE1alpha." in: **Biochemical and biophysical research communications**, Vol. 379, Issue 4, pp. 995-1000, (2009) ([PubMed](#)).

Mines, Goodwin, Limbird, Cui, Fan: "Deubiquitination of CXCR4 by USP14 is critical for both CXCL12-induced CXCR4 degradation and chemotaxis but not ERK activation." in: **The Journal of biological chemistry**, Vol. 284, Issue 9, pp. 5742-52, (2009) ([PubMed](#)).

Images



Western Blotting

Image 1. CHM Antibody (Center) (ABIN1881197 and ABIN2838968) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the CHM antibody detected the CHM protein (arrow).