

Datasheet for ABIN2785348

**anti-CHMP4B antibody (Middle Region)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	CHMP4B
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP4B antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CHMP4B
Sequence:	EEISTAISKP VGFGEEDFED ELMAELEELE QEELDKNLLE ISGPETVPLP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CHMP4B. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	CHMP4B
Alternative Name:	CHMP4B ( <a href="#">CHMP4B Products</a> )

## Target Details

Background:	<p>This gene encodes a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) protein family. The protein is part of the endosomal sorting complex required for transport (ESCRT) complex III (ESCRT-III), which functions in the sorting of endocytosed cell-surface receptors into multivesicular endosomes. The ESCRT machinery also functions in the final abscission stage of cytokinesis and in the budding of enveloped viruses such as HIV-1. The three proteins of the CHMP4 subfamily interact with programmed cell death 6 interacting protein (PDCD6IP, also known as ALIX), which also functions in the ESCRT pathway. The CHMP4 proteins assemble into membrane-attached 5-nm filaments that form circular scaffolds and promote or stabilize outward budding. These polymers are proposed to help generate the luminal vesicles of multivesicular bodies. Mutations in this gene result in autosomal dominant posterior polar cataracts.</p> <p>Alias Symbols: C20orf178, CHMP4A, CTPP3, SNF7, SNF7-2, Shax1, dJ553F4.4, VPS32B, Vps32-2</p> <p>Protein Interaction Partner: UBC, TP53, CHMP6, UBE2I, PDCD6IP, VCAM1, ITGA4, RPLP0P6, MVP, ATP6V1B1, BROX, CHMP4B, CHMP4C, CHMP1B, CHMP3, CHMP5, CHMP4A, HIPK2, VPS4A, STAMBP, PIAS2, EXOSC9, HCVgp1, NOLC1, PTPN23,</p> <p>Protein Size: 224</p>
Molecular Weight:	25 kDa
Gene ID:	128866
NCBI Accession:	<a href="#">NM_176812</a> , <a href="#">NP_789782</a>
UniProt:	<a href="#">Q9H444</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 224 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

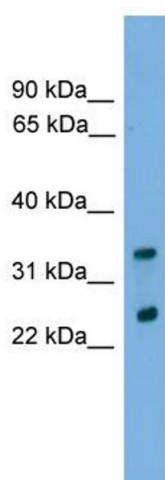
## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Suzuki, Yoshitomo-Nakagawa, Maruyama, Suyama, Sugano: "Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library." in: <b>Gene</b> , Vol. 200, Issue 1-2, pp. 149-56, (1997) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

#### Image 1. WB Suggested Anti-CHMP4B Antibody Titration:

0.2-1 ug/ml

**Positive Control:** THP-1 cell lysate

