

Product datasheet

Anti-CHMP4A antibody ab67058

★★★★☆ 1 Abreviews 1 References 1 Image

Overview

Product name	Anti-CHMP4A antibody
Description	Mouse polyclonal to CHMP4A
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length protein, corresponding to amino acids 1-223 of Human CHMP4A
Positive control	transfected 293T cells lysate

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: 7.20 Constituent: 2.68% PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab67058** 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 - 1/1000. Predicted molecular weight: 25 kDa. Use BSA for blocking (see Abreview)

Target

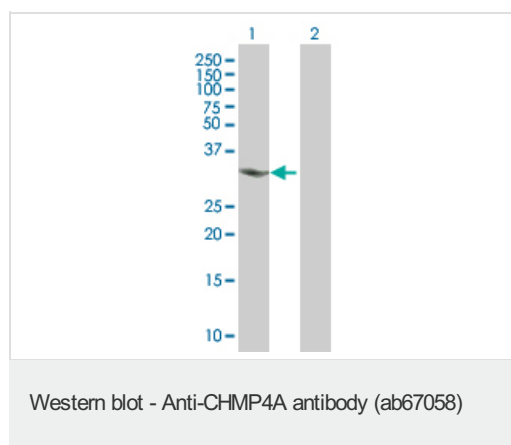
Relevance

Component of the ESCRT-III complex, which is required for multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-III complex is probably involved in the concentration of MVB cargo. In the ESCRT-III complex, it probably serves as an acceptor for ESCRT-I complex on endosomal membranes. In case of infection, the HIV-1 virus takes advantage of the ESCRT-III complex for budding and exocytic cargos of viral proteins, via the association of CHMP4 proteins with PDCD6IP/AIP1, a protein directly recruited by HIV-1 p6 protein that functions at sites of viral Gag assembly and budding.

Cellular localization

Cytoplasmic: Cytoplasmic vesicle membrane. Membrane-associated - localizes to large vesicle-like structures.

Images



All lanes : Anti-CHMP4A antibody (ab67058) at 1/500 dilution

Lane 1 : CHMP4A transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/5000 dilution

Predicted band size: 25 kDa

Observed band size: 30 kDa

[why is the actual band size different from the predicted?](#)

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