

Product datasheet

Anti-CHMP5 antibody ab31282

1 References 1 Image

Overview

<b>Product name</b>	Anti-CHMP5 antibody
<b>Description</b>	Goat polyclonal to CHMP5
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide: C-NKDGVLVDEFGLPQ , corresponding to C terminal amino acids 202-215 of Human CHMP5
	<a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline. pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab31282** 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		Use a concentration of 1 - 3 µg/ml.
ICC/IF		Use at an assay dependent dilution. PubMed: 18997780

## Target

### Function

Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in HIV-1 p6- and p9-dependent virus release.

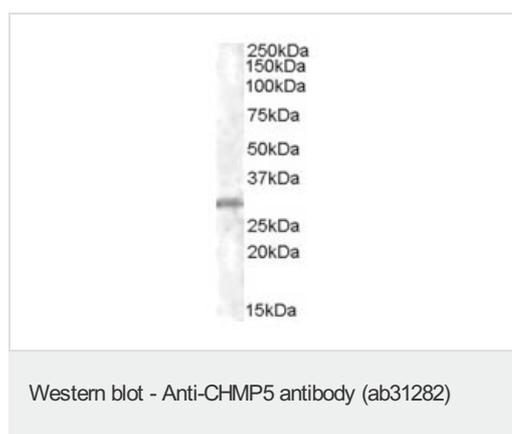
### Sequence similarities

Belongs to the SNF7 family.

### Cellular localization

Cytoplasm > cytosol. Endosome membrane. Localizes to the midbody of dividing cells. Localized in two distinct rings on either side of the Fleming body.

## Images



Anti-CHMP5 antibody (ab31282) at 1 µg/ml + Cell lysate prepared from human K562 cell line at 35 µg

Developed using the ECL technique.

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