

Product datasheet

CHMP5 peptide (202-215) ab45718

Overview

Product name CHMP5 peptide (202-215)

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence C-NKDGVLVDEFGLPQ

Amino acids 202 to 215

Specifications

Our [Abpromise guarantee](#) covers the use of **ab45718** in the following tested applications.

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

Applications Blocking - Blocking peptide for Anti-CHMP5 antibody ([ab31282](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

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.

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