

CHMP1B Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12720a**Specification**

CHMP1B Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q7LBR1](#)**CHMP1B Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 57132**Other Names**

Charged multivesicular body protein 1b, CHMP15, Chromatin-modifying protein 1b, CHMP1b, Vacuolar protein sorting-associated protein 46-2, Vps46-2, hVps46-2, CHMP1B, C18orf2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CHMP1B Antibody (N-term) Blocking peptide - Protein Information**Name** CHMP1B**Synonyms** C18orf2**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 cytokinesis. Involved in recruiting VPS4A and/or VPS4B and SPAST to the midbody of dividing cells. Involved in HIV-1 p6- and p9-dependent virus release.

Cellular Location

Cytoplasm, cytosol. Endosome. Late endosome membrane; Peripheral membrane protein

Note=Localizes to the midbody of dividing cells, colocalizing with CEP55 and CHMP5. Localized at the periphery of the Fleming body

Tissue Location

Widely expressed. Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta and brain

CHMP1B Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CHMP1B Antibody (N-term) Blocking peptide - Images**CHMP1B Antibody (N-term) Blocking peptide - Background**

CHMP1B belongs to the chromatin-modifying protein/chargedmultivesicular body protein (CHMP) family. These proteins arecomponents of ESCRT-III (endosomal sorting complex required fortransport III), a complex involved in degradation of surfacereceptor proteins and formation of endocytic multivesicular bodies(MVBs). Some CHMPs have both nuclear and cytoplasmic/vesiculardistributions, and one such CHMP, CHMP1A (MIM 164010), is requiredfor both MVB formation and regulation of cell cycle progression(Tsang et al., 2006 [PubMed 16730941]).

CHMP1B Antibody (N-term) Blocking peptide - References

Yosifova, A., et al. J Affect Disord 117 (1-2), 87-97 (2009) :Yang, D., et al. Nat. Struct. Mol. Biol. 15(12):1278-1286(2008)Row, P.E., et al. J. Biol. Chem. 282(42):30929-30937(2007)Stuchell-Brereton, M.D., et al. Nature 449(7163):740-744(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)