

CHMP6 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12454a**Specification**

CHMP6 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96FZ7](#)**CHMP6 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79643**Other Names**

Charged multivesicular body protein 6, Chromatin-modifying protein 6, Vacuolar protein sorting-associated protein 20, Vps20, hVps20, CHMP6, VPS20

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.

CHMP6 Antibody (N-term) Blocking peptide - Protein Information**Name** CHMP6**Synonyms** VPS20**Function**

Probable core 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. In the ESCRT-III complex, it probably serves as an acceptor for the ESCRT-II complex on endosomal membranes.

Cellular Location

Endomembrane system. Endosome membrane; Lipid- anchor. Late endosome membrane. Membrane; Lipid-anchor. Note=Localizes to endosomal membranes

Tissue Location

Ubiquitously expressed.

CHMP6 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CHMP6 Antibody (N-term) Blocking peptide - Images**CHMP6 Antibody (N-term) Blocking peptide - Background**

CHMP6 belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).

CHMP6 Antibody (N-term) Blocking peptide - References

Im, Y.J., et al. Dev. Cell 17(2):234-243(2009) Fu, D., et al. Biosci. Biotechnol. Biochem. 73(3):494-501(2009) Kieffer, C., et al. Dev. Cell 15(1):62-73(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :