

VPS54 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12936c**Specification**

VPS54 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9P1Q0](#)**VPS54 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 51542**Other Names**

Vacuolar protein sorting-associated protein 54, Hepatocellular carcinoma protein 8, Tumor antigen HOM-HCC-8, Tumor antigen SLP-8p, VPS54, HCC8

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.

VPS54 Antibody (Center) Blocking peptide - Protein Information**Name** VPS54**Synonyms** HCC8**Function**

Acts as a component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD (PubMed:18367545). Within the GARP complex, required to tether the complex to the TGN. Not involved in endocytic recycling (PubMed:25799061).

Cellular Location

Golgi apparatus, trans-Golgi network. Membrane {ECO:0000250|UniProtKB:Q9JMK8}.
Note=Associates with membranes in an EIPR1-independent manner.
{ECO:0000250|UniProtKB:Q9JMK8}

VPS54 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

VPS54 Antibody (Center) Blocking peptide - Images

VPS54 Antibody (Center) Blocking peptide - Background

This gene encodes for a protein that in yeast forms part of a trimeric vacuolar-protein-sorting complex that is required for retrograde transport of proteins from prevacuoles to the late Golgi compartment. As in yeast, mammalian Vps54 proteins contain a coiled-coil region and dileucine motifs. Alternative splicing results in multiple transcript variants encoding different isoforms

VPS54 Antibody (Center) Blocking peptide - References

Perez-Victoria, F.J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(29):12860-12865(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Perez-Victoria, F.J., et al. Mol. Cell. Biol. 29(19):5251-5263(2009) Meisler, M.H., et al. Amyotroph Lateral Scler 9(3):141-148(2008) Perez-Victoria, F.J., et al. Mol. Biol. Cell 19(6):2350-2362(2008)