

VPS52 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10925b**Specification**

VPS52 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q8N1B4](#)**VPS52 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6293**Other Names**

Vacuolar protein sorting-associated protein 52 homolog, SAC2 suppressor of actin mutations 2-like protein, VPS52, SACM2L

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.

VPS52 Antibody (C-term) Blocking peptide - Protein Information**Name** VPS52**Synonyms** SACM2L**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:15878329, PubMed:18367545). Acts as a component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane (PubMed:25799061).

Cellular Location

Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Recycling endosome. Note=Localizes to the trans-Golgi network as part of the GARP complex, while it localizes to recycling endosomes as part of the EARP

complex (PubMed:25799061)

VPS52 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

VPS52 Antibody (C-term) Blocking peptide - Images

VPS52 Antibody (C-term) Blocking peptide - Background

This gene encodes a protein that is similar to the yeast suppressor of actin mutations 2 gene. The yeast protein forms a subunit of the tetrameric Golgi-associated retrograde protein complex that is involved in vesicle trafficking from both early and late endosomes, back to the trans-Golgi network. This gene is located on chromosome 6 in a head-to-head orientation with the gene encoding ribosomal protein S18.

VPS52 Antibody (C-term) Blocking peptide - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) ; Perez-Victoria, F.J., et al. Mol. Cell. Biol. 29(19):5251-5263(2009) Perez-Victoria, F.J., et al. Mol. Biol. Cell 19(6):2350-2362(2008) Liewen, H., et al. Exp. Cell Res. 306(1):24-34(2005) Mungall, A.J., et al. Nature 425(6960):805-811(2003)