

VPS45 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16102b**Specification**

VPS45 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9NRW7](#)

VPS45 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 11311

Other Names

Vacuolar protein sorting-associated protein 45, h-VPS45, hVps45, VPS45, VPS45A, VPS45B

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.

VPS45 Antibody (C-term) Blocking Peptide - Protein Information

Name VPS45

Synonyms VPS45A, VPS45B

Function

May play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network.

Cellular Location

Golgi apparatus membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein Note=Associated with Golgi/endosomal vesicles and the trans-Golgi network.

Tissue Location

Ubiquitous. Expression was highest in testis, heart and brain, intermediate in kidney, spleen, prostate, ovary, small intestine and thymus and low in lung, skeletal muscle, placenta, colon, pancreas, peripheral blood leukocytes and liver

VPS45 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

VPS45 Antibody (C-term) Blocking Peptide - Images

VPS45 Antibody (C-term) Blocking Peptide - Background

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. [provided by RefSeq].

VPS45 Antibody (C-term) Blocking Peptide - References

Rahajeng, J., et al. Exp. Cell Res. 316(5):859-874(2010) Kim, B.Y., et al. Biochem. Biophys. Res. Commun. 311(3):577-582(2003) Dulubova, I., et al. EMBO J. 21(14):3620-3631(2002) de Renzis, S., et al. Nat. Cell Biol. 4(2):124-133(2002) Nielsen, E., et al. J. Cell Biol. 151(3):601-612(2000)