

TMED9 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13250b**Specification**

TMED9 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9BVK6](#)**TMED9 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 54732**Other Names**

Transmembrane emp24 domain-containing protein 9, GMP25, Glycoprotein 25L2, p24 family protein alpha-2, p24alpha2, p25, TMED9, GP25L2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13250b was selected from the C-term region of TMED9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TMED9 Antibody (C-term) Blocking peptide - Protein Information**Name** TMED9**Synonyms** GP25L2**Function**

Appears to be involved in vesicular protein trafficking, mainly in the early secretory pathway. In COPI vesicle-mediated retrograde transport involved in the coatomer recruitment to membranes of the early secretory pathway. Increases coatomer-dependent activity of ARFGAP2. Thought to play a crucial role in the specific retention of p24 complexes in cis-Golgi membranes; specifically contributes to the coupled localization of TMED2 and TMED10 in the cis-Golgi network. May be involved in organization of intracellular membranes, such as of the ER-Golgi intermediate compartment and the Golgi apparatus. Involved in ER localization of PTPN2 isoform PTPB.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus,

cis-Golgi network membrane; Single-pass type I membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein. Note=Cycles between compartments of the early secretatory pathway

TMED9 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TMED9 Antibody (C-term) Blocking peptide - Images

TMED9 Antibody (C-term) Blocking peptide - Background

The specific function of this protein remains unknown.

TMED9 Antibody (C-term) Blocking peptide - References

Breuza, L., et al. J. Biol. Chem. 279(45):47242-47253(2004)Zhang, H., et al. Nat. Biotechnol. 21(6):660-666(2003)Zhang, H., et al. Nat. Biotechnol. 21(6):660-666(2003)Renz, M., et al. J. Biol. Chem. 275(14):10429-10436(2000)Wada, I., et al. J. Biol. Chem. 266(29):19599-19610(1991)