

SEC22B Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14062c**Specification**

SEC22B Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O75396](#)**SEC22B Antibody (Center) Blocking peptide - Additional Information**

Gene ID 9554

Other Names

Vesicle-trafficking protein SEC22b, ER-Golgi SNARE of 24 kDa, ERS-24, ERS24, SEC22 vesicle-trafficking protein homolog B, SEC22 vesicle-trafficking protein-like 1, SEC22B, SEC22L1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14062c was selected from the Center region of SEC22B. 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.

SEC22B Antibody (Center) Blocking peptide - Protein Information

Name SEC22B

Synonyms SEC22L1

Function

SNARE involved in targeting and fusion of ER-derived transport vesicles with the Golgi complex as well as Golgi-derived retrograde transport vesicles with the ER.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q4KM74}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:Q4KM74}. Endoplasmic reticulum-Golgi intermediate compartment membrane {ECO:0000250|UniProtKB:Q4KM74}. Golgi apparatus, cis-Golgi network membrane {ECO:0000250|UniProtKB:Q4KM74} Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q4KM74}. Melanosome. Note=Concentrated most in the intermediate compartment/cis-Golgi network and the cis-Golgi cisternae 1 and 2. Greatly reduced in

concentration at the trans end of the Golgi apparatus (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065) {ECO:0000250|UniProtKB:Q4KM74, ECO:0000269|PubMed:17081065}

SEC22B Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SEC22B Antibody (Center) Blocking peptide - Images

SEC22B Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a member of the SEC22family of vesicle trafficking proteins. It seems to complex withSNARE and it is thought to play a role in the ER-Golgi proteintrafficking. This protein has strong similarity to Mus musculus andCricetulus griseus proteins.

SEC22B Antibody (Center) Blocking peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Chi, A., et al. J. Proteome Res. 5(11):3135-3144(2006)Okumura, A.J., et al. J. Biol. Chem. 281(7):4495-4506(2006)Breuza, L., et al. J. Biol. Chem. 279(45):47242-47253(2004)Nakajima, K., et al. EMBO J. 23(16):3216-3226(2004)