

SEC24C Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4773c**Specification**

SEC24C Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P53992](#)**SEC24C Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 9632

Other Names

Protein transport protein Sec24C, SEC24-related protein C, SEC24C, KIAA0079

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.

SEC24C Antibody (Center) Blocking Peptide - Protein InformationName SEC24C ([HGNC:10705](#))**Function**

Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed:[10214955](http://www.uniprot.org/citations/10214955), PubMed:[17499046](http://www.uniprot.org/citations/17499046), PubMed:[18843296](http://www.uniprot.org/citations/18843296), PubMed:[20427317](http://www.uniprot.org/citations/20427317)). Plays a central role in cargo selection within the COPII complex and together with SEC24D may have a different specificity compared to SEC24A and SEC24B (PubMed:[17499046](http://www.uniprot.org/citations/17499046), PubMed:[20427317](http://www.uniprot.org/citations/20427317), PubMed:[18843296](http://www.uniprot.org/citations/18843296)). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:[20427317](http://www.uniprot.org/citations/20427317)). May also be specific for IxM motif- containing cargos like the SNAREs GOSR2 and STX5 (PubMed:[18843296](http://www.uniprot.org/citations/18843296)).

Cellular Location

Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytosol

Tissue Location

Ubiquitous..

SEC24C Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEC24C Antibody (Center) Blocking Peptide - Images**SEC24C Antibody (Center) Blocking Peptide - Background**

SEC24C is a member of the SEC24 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec24p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The product of this gene may play a role in shaping the vesicle, as well as in cargo selection and concentration.

SEC24C Antibody (Center) Blocking Peptide - References

Stagg, S.M., et al. Cell 134(3):474-484(2008) Yamayoshi, S., et al. Cell Host Microbe 3(3):168-177(2008) Morgan, A.R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (6), 762-770 (2007)