

**SC24A Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4701c****Specification**

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**SC24A Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O95486](#)**SC24A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10802**Other Names**

Protein transport protein Sec24A, SEC24-related protein A, SEC24A

**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.

**SC24A Antibody (Center) Blocking Peptide - Protein Information****Name** SEC24A ([HGNC:10703](#))**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:<a href="http://www.uniprot.org/citations/20427317" target="\_blank">20427317</a>, PubMed:<a href="http://www.uniprot.org/citations/17499046" target="\_blank">17499046</a>, PubMed:<a href="http://www.uniprot.org/citations/18843296" target="\_blank">18843296</a>). Plays a central role in cargo selection within the COPII complex and together with SEC24B may have a different specificity compared to SEC24C and SEC24D. May package preferentially cargos with cytoplasmic DxE or LxxLE motifs and may also recognize conformational epitopes (PubMed:<a href="http://www.uniprot.org/citations/17499046" target="\_blank">17499046</a>, PubMed:<a href="http://www.uniprot.org/citations/18843296" target="\_blank">18843296</a>).

**Cellular Location**

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

## **SC24A Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **SC24A Antibody (Center) Blocking Peptide - Images**

## **SC24A Antibody (Center) Blocking Peptide - Background**

SC24A is a component of coat protein II (COPII; see MIM 601924)-coated vesicles that mediate protein transport from the endoplasmic reticulum. SEC24A is 1 of several mammalian proteins that show structural and functional homology to yeast Sec24.

## **SC24A Antibody (Center) Blocking Peptide - References**

Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Mancias, J.D., et al. Mol. Cell 26(3):403-414(2007) Wendeler, M.W., et al. EMBO Rep. 8(3):258-264(2007)