

SEC23IP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14511b**Specification**

SEC23IP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9Y6Y8](#)

SEC23IP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 11196

Other Names

SEC23-interacting protein, p125, SEC23IP

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.

SEC23IP Antibody (C-term) Blocking Peptide - Protein Information

Name SEC23IP

Function

Plays a role in the organization of endoplasmic reticulum exit sites. Specifically binds to phosphatidylinositol 3-phosphate (PI(3)P), phosphatidylinositol 4-phosphate (PI(4)P) and phosphatidylinositol 5-phosphate (PI(5)P).

Cellular Location

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

Tissue Location

Ubiquitously expressed with stronger levels detected in heart, liver and skeletal muscle

SEC23IP Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEC23IP Antibody (C-term) Blocking Peptide - Images**SEC23IP Antibody (C-term) Blocking Peptide - Background**

COPII-coated vesicles are involved in protein transport from the endoplasmic reticulum to the Golgi apparatus. The protein encoded by this gene was identified by its interaction with a mouse protein similar to yeast Sec23p, an essential component of the COPII. This protein shares significant similarity with phospholipid-modifying proteins, especially phosphatidic acid preferring-phospholipase A1. Overexpression of this protein has been shown to cause disorganization of the endoplasmic reticulum-Golgi intermediate compartment and Golgi apparatus, which suggests its role in the early secretory pathway. [provided by RefSeq].

SEC23IP Antibody (C-term) Blocking Peptide - References

Ong, Y.S., et al. J. Cell Biol. 190(3):331-345(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Li, H., et al. J. Biol. Chem. 281(21):14748-14755(2006) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006) Shimoi, W., et al. J. Biol. Chem. 280(11):10141-10148(2005)