

SAMM50 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP19193c**Specification**

SAMM50 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O9Y512](#)**SAMM50 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 25813**Other Names**

Sorting and assembly machinery component 50 homolog, Transformation-related gene 3 protein, TRG-3, SAMM50, SAM50

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.

SAMM50 Antibody (Center) Blocking Peptide - Protein Information**Name** SAMM50**Synonyms** SAM50**Function**

Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes (PubMed:22252321, PubMed:25781180). Required for the assembly of TOMM40 into the TOM complex (PubMed:15644312).

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q6AXV4}. Mitochondrion

SAMM50 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SAMM50 Antibody (Center) Blocking Peptide - Images

SAMM50 Antibody (Center) Blocking Peptide - Background

SAMM50 is a component of the sorting and assembly machinery (SAM) complex of the outer mitochondrial membrane. The SAM complex has a role in integrating beta-barrel proteins into the outer mitochondrial membrane (Humphries et al., 2005 [PubMed15644312]).

SAMM50 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Yuan, X., et al. Am. J. Hum. Genet. 83(4):520-528(2008)Xie, J., et al. FEBS Lett. 581(18):3545-3549(2007)