

TOMM40 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19136b**Specification**

TOMM40 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O96008](#)**TOMM40 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10452**Other Names**

Mitochondrial import receptor subunit TOM40 homolog, Protein Haymaker, Translocase of outer membrane 40 kDa subunit homolog, p385, TOMM40, C19orf1, PEREC1, TOM40

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.

TOMM40 Antibody (C-term) Blocking Peptide - Protein Information**Name** TOMM40**Synonyms** C19orf1, PEREC1, TOM40**Function**

Channel-forming protein essential for import of protein precursors into mitochondria (PubMed:15644312, PubMed:31206022). Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by forming a complex with BCAP31 and mediating the translocation of Complex I components from the cytosol to the mitochondria (PubMed:31206022).

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Note=Associates with the mitochondria- associated ER membrane via interaction with BCAP31

TOMM40 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TOMM40 Antibody (C-term) Blocking Peptide - Images

TOMM40 Antibody (C-term) Blocking Peptide - Background

TOMM40 is the channel-forming subunit of the translocase of the mitochondrial outer membrane (TOM) complex that is essential for protein import into mitochondria (Humphries et al., 2005[PubMed 15644312]).

TOMM40 Antibody (C-term) Blocking Peptide - References

Shen, L., et al. Neuroimage 53(3):1051-1063(2010) Sebastiani, P., et al. Science (2010) In press
:Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Seshadri, S., et al. JAMA
303(18):1832-1840(2010) Ma, L., et al. BMC Med. Genet. 11, 55 (2010) :