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# TOMM22 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP14998a**

## Specification

### TOMM22 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9NS69

### TOMM22 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 56993

**Other Names**
Mitochondrial import receptor subunit TOM22 homolog, hTom22, 1C9-2, Translocase of outer membrane 22 kDa subunit homolog, TOMM22, TOM22

**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.

### TOMM22 Antibody (N-term) Blocking Peptide - Protein Information

**Name** TOMM22

**Synonyms** TOM22

**Function**
Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore (PubMed:<a href="http://www.uniprot.org/citations/10982837" target="_blank">10982837</a>). Required for the translocation across the mitochondrial outer membrane of cytochrome P450 monooxygenases (By similarity).

**Cellular Location**
Mitochondrion outer membrane; Single-pass membrane protein

**Tissue Location**
Ubiquitous.

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## TOMM22 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## TOMM22 Antibody (N-term) Blocking Peptide - Images

## TOMM22 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is an integral membraneprotein of the mitochondrial outer membrane. The encoded proteininteracts with TOMM20 and TOMM40, and forms a complex with severalother proteins to import cytosolic preproteins into themitochondrion.

## TOMM22 Antibody (N-term) Blocking Peptide - References

Bellot, G., et al. Cell Death Differ. 14(4):785-794(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Humphries, A.D., et al. J. Biol. Chem. 280(12):11535-11543(2005)