

TOMM70A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6745a**Specification**

TOMM70A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O94826](#)**TOMM70A Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 9868

Other Names

Mitochondrial import receptor subunit TOM70, Mitochondrial precursor proteins import receptor, Translocase of outer membrane 70 kDa subunit, TOMM70A, KIAA0719, TOM70

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6745a](/products/AP6745a) was selected from the N-term region of human TOMM70A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TOMM70A Antibody (N-term) Blocking Peptide - Protein InformationName TOMM70 ([HGNC:11985](#))**Function**

Acts as a receptor of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) (PubMed: [12526792](http://www.uniprot.org/citations/12526792)). Recognizes and mediates the translocation of mitochondrial preproteins from the cytosol into the mitochondria in a chaperone dependent manner (PubMed: [12526792](http://www.uniprot.org/citations/12526792), PubMed: [35025629](http://www.uniprot.org/citations/35025629)). Mediates TBK1 and IRF3 activation induced by MAVS in response to Sendai virus infection and promotes host antiviral responses during virus infection (PubMed: [20628368](http://www.uniprot.org/citations/20628368), PubMed: [25609812](http://www.uniprot.org/citations/25609812), PubMed: [32728199](http://www.uniprot.org/citations/32728199)). Upon Sendai

virus infection, recruits HSP90AA1:IRF3:BAX in mitochondrion and the complex induces apoptosis (PubMed:25609812).

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein

TOMM70A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TOMM70A Antibody (N-term) Blocking Peptide - Images**TOMM70A Antibody (N-term) Blocking Peptide - Background**

The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins into the mitochondria.

TOMM70A Antibody (N-term) Blocking Peptide - References

Blesa,J.R., Gene 427 (1-2), 58-64 (2008)Chou,C.H., Mol. Biol. Cell 17 (9), 3952-3963 (2006)Edmonson,A.M., Cell Commun. Adhes. 9 (1), 15-27 (2002)