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TOMM70A Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6745a

Specification

TOMM70A Antibody (N-term) Blocking Peptide - Product Information

Primary 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 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 Information

Name TOMM70 (HGNC:11985)

Function
Acts as a receptor of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) (PubMed:12526792). Recognizes and mediates the translocation of mitochondrial preproteins from the cytosol into the mitochondria in a chaperone dependent manner (PubMed:12526792, PubMed: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, PubMed:25609812, PubMed: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)