10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TIMM44 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12851a

Specification

TIMM44 Antibody (N-term) Blocking peptide - Product Information

Primary Accession O43615

TIMM44 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 10469

Other Names
Mitochondrial import inner membrane translocase subunit TIM44, TIMM44, MIMT44, TIM44

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.

TIMM44 Antibody (N-term) Blocking peptide - Protein Information

Name TIMM44

Synonyms MIMT44, TIM44

Function
Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner (By similarity). Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source (By similarity).

Cellular Location
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. Mitochondrion matrix

TIMM44 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

TIMM44 Antibody (N-term) Blocking peptide - Images

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TIMM44 Antibody (N-term) Blocking peptide - Background

Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source.

TIMM44 Antibody (N-term) Blocking peptide - References

Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :Yuryev, A., et al. Genomics 81(2):112-125(2003)Yuryev, A., et al. Mol. Cell. Biol. 20(13):4870-4878(2000)Moro, F., et al. EMBO J. 18(13):3667-3675(1999)Bauer, M.F., et al. J. Mol. Biol. 289(1):69-82(1999)