

TIMM10 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP19169c**Specification**

TIMM10 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P62072](#)

TIMM10 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26519

Other Names

Mitochondrial import inner membrane translocase subunit Tim10, TIMM10, TIM10

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.

TIMM10 Antibody (Center) Blocking Peptide - Protein Information

Name TIMM10

Synonyms TIM10

Function

Mitochondrial intermembrane chaperone that participates in the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. May also be required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space.

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side

Tissue Location

Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.

TIMM10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TIMM10 Antibody (Center) Blocking Peptide - Images

TIMM10 Antibody (Center) Blocking Peptide - Background

TIMM10 belongs to a family of evolutionarily conserved proteins that are organized in heterooligomeric complexes in the mitochondrial intermembrane space. These proteins mediate the import and insertion of hydrophobic membrane proteins into the mitochondrial inner membrane.

TIMM10 Antibody (Center) Blocking Peptide - References

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Carey, K.A., et al. Pathol. Int. 56(5):246-255(2006) Webb, C.T., et al. Mol. Cell 21(1):123-133(2006) Muhlenbein, N., et al. J. Biol. Chem. 279(14):13540-13546(2004) Allen, S., et al. J. Biol. Chem. 278(40):38505-38513(2003)