

TIMM50 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19064a**Specification**

TIMM50 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q3ZCQ8](#)

TIMM50 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 92609

Other Names

Mitochondrial import inner membrane translocase subunit TIM50, TIMM50, TIM50

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.

TIMM50 Antibody (N-term) Blocking Peptide - Protein Information

Name TIMM50

Synonyms TIM50

Function

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein

Tissue Location

Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

TIMM50 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TIMM50 Antibody (N-term) Blocking Peptide - Images

TIMM50 Antibody (N-term) Blocking Peptide - Background

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo. Isoform 2 may participate in the release of snRNPs and SMN from the Cajal body.

TIMM50 Antibody (N-term) Blocking Peptide - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Xu, H., et al. BMC Cell Biol. 6 (1), 29 (2005) :Guo, Y., et al. J. Biol. Chem. 279(23):24813-24825(2004)Yuryev, A., et al. Genomics 81(2):112-125(2003)Yamamoto, H., et al. Cell 111(4):519-528(2002)