

RHOT1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18541a**Specification**

RHOT1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8IXI2](#)**RHOT1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55288**Other Names**

Mitochondrial Rho GTPase 1, MIRO-1, hMiro-1, 365-, Rac-GTP-binding protein-like protein, Ras homolog gene family member T1, RHOT1, ARHT1

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.

RHOT1 Antibody (N-term) Blocking Peptide - Protein Information**Name** RHOT1**Synonyms** ARHT1**Function**

Mitochondrial GTPase involved in mitochondrial trafficking (PubMed:12482879, PubMed:16630562, PubMed:22396657). Probably involved in control of anterograde transport of mitochondria and their subcellular distribution (PubMed:12482879, PubMed:16630562, PubMed:22396657). Promotes mitochondrial fission during high calcium conditions (PubMed:27716788).

Cellular Location

Mitochondrion outer membrane; Single-pass type IV membrane protein. Note=Colocalizes with MGARP and RHOT2 at the mitochondria

Tissue Location

Ubiquitously expressed. Expressed at high level in heart and skeletal muscle.

RHOT1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RHOT1 Antibody (N-term) Blocking Peptide - Images**RHOT1 Antibody (N-term) Blocking Peptide - Background**

Mitochondrial GTPase involved in mitochondrial trafficking. Probably involved in control of anterograde transport of mitochondria and their subcellular distribution.

RHOT1 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;MacAskill, A.F., et al. Mol. Cell. Neurosci. 40(3):301-312(2009)Wang, X., et al. Cell 136(1):163-174(2009)Saotome, M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(52):20728-20733(2008)Fransson, S., et al. Biochem. Biophys. Res. Commun. 344(2):500-510(2006)