

RHOT1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18541a**Specification**

RHOT1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8IXI2
Other Accession	Q8BG51 , Q6NVC5 , Q5ZM73 , Q2HJF8 , NP_001028738.1
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70784
Antigen Region	84-110

RHOT1 Antibody (N-term) - 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

Target/Specificity

This RHOT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 84-110 amino acids from the N-terminal region of human RHOT1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RHOT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RHOT1 Antibody (N-term) - 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

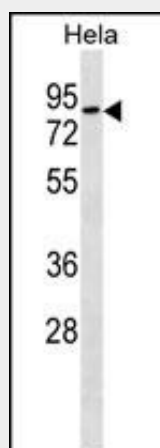
Ubiquitously expressed. Expressed at high level in heart and skeletal muscle.

RHOT1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RHOT1 Antibody (N-term) - Images



RHOT1 Antibody (N-term) (Cat. #AP18541a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the RHOT1 antibody detected the RHOT1 protein (arrow).

RHOT1 Antibody (N-term) - Background

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

RHOT1 Antibody (N-term) - 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)
Saitome, 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)