

RHOT1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12501**Specification**

RHOT1 antibody - N-terminal region - Product Information

Application	WB, IHC
Primary Accession	Q8IXI2
Other Accession	NM_018307 , NP_060777
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Rat, Rabbit, Pig, Chicken, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71kDa KDa

RHOT1 antibody - N-terminal region - Additional Information**Gene ID** 55288**Alias Symbol** **ARHT1, FLJ11040, FLJ12633, MIRO-1, MIRO1****Other Names**

Mitochondrial Rho GTPase 1, MIRO-1, hMiro-1, 3.6.5.-, Rac-GTP-binding protein-like protein, Ras homolog gene family member T1, RHOT1, ARHT1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RHOT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RHOT1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RHOT1 antibody - N-terminal region - Protein Information**Name** RHOT1**Synonyms** ARHT1**Function**

Atypical mitochondrial nucleoside-triphosphatase (NTPase) involved in mitochondrial trafficking (PubMed:12482879, PubMed:16630562),

PubMed:22396657, PubMed:30513825). 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). Can hydrolyze GTP, ATP and UTP (PubMed:30513825).

Cellular Location

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

Tissue Location

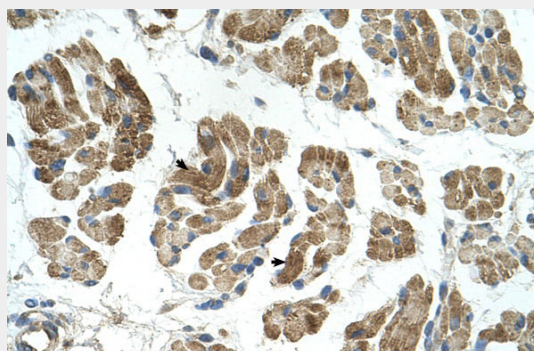
Ubiquitously expressed. Expressed at high level in heart and skeletal muscle.

RHOT1 antibody - N-terminal region - Protocols

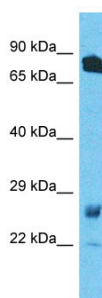
Provided below are standard protocols that you may find useful for product applications.

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

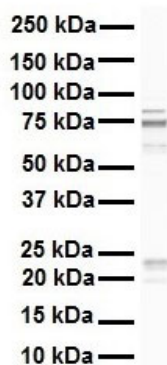
RHOT1 antibody - N-terminal region - Images



Rabbit Anti-RHOT1 Antibody
Paraffin Embedded Tissue: Human Muscle
Cellular Data: Skeletal muscle cells
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



Host: Rabbit
Target Name: RHOT1
Sample Tissue: Fetal Lung lysates
Antibody Dilution: 1.0µg/ml



WB Suggested Anti-RHOT1 antibody Titration: 1 µg/ml
Sample Type: Human A549



Host: Rabbit
Target Name: MIRO1
Sample Tissue: Fetal Lung Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: MIRO1
Sample Tissue: Fetal Lung lysates
Antibody Dilution: 1.0µg/ml

RHOT1 antibody - N-terminal region - References

Brandenberger, R., (2004) Nat. Biotechnol. 22(6), 707-716 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.