

RHOT2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17330c**Specification**

RHOT2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8IXI1
Other Accession	NP_620124.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68118
Antigen Region	291-320

RHOT2 Antibody (Center) - Additional Information**Gene ID** 89941**Other Names**

Mitochondrial Rho GTPase 2, MIRO-2, hMiro-2, 365-, Ras homolog gene family member T2, RHOT2, ARHT2, C16orf39

Target/Specificity

This RHOT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-320 amino acids from the Central region of human RHOT2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

RHOT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RHOT2 Antibody (Center) - Protein Information**Name** RHOT2

Synonyms ARHT2, C16orf39

Function Atypical mitochondrial nucleoside-triphosphatase (NTPase) involved in mitochondrial trafficking (PubMed:[16630562](#), PubMed:[22396657](#), PubMed:[30513825](#)). Probably involved in control of anterograde transport of mitochondria and their subcellular distribution (PubMed:[22396657](#)). Can hydrolyze GTP (By similarity). Can hydrolyze 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

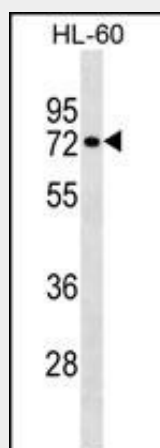
Tissue Location

Ubiquitously expressed. Highly expressed in heart, liver, skeletal muscle, kidney and pancreas

RHOT2 Antibody (Center) - 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](#)

RHOT2 Antibody (Center) - Images

RHOT2 Antibody (Center) (Cat. #AP17330c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the RHOT2 antibody detected the RHOT2 protein (arrow).

RHOT2 Antibody (Center) - Background

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

RHOT2 Antibody (Center) - References

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)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Aspenstrom, P., et al. Biochem. J. 377 (PT 2), 327-337 (2004) :
Shan, Y., et al. Cytogenet. Genome Res. 106(1):91-97(2004)