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# RHOT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17330c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q8IXI1 |
| **Other Accession** | NP_620124.1 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB37194 |
| **Calculated MW** | 68118 |
| **Antigen Region** | 291-320 |

## Additional Information

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| **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. |

## Protein Information

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| **Name** | RHOT2 |
| **Synonyms** | ARHT2, C16orf39 |

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| **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 |

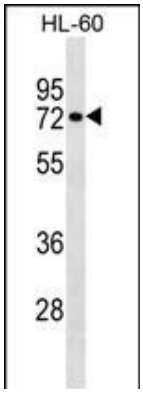
## Background

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

## 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)

## 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.