

Rabbit RHOT1/MIRO1 Polyclonal Antibody | anti-RHOT1/MIRO1 antibody

[KD Validated] RHOT1/MIRO1 Rabbit pAb

CATALOG # AAA282414	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

RHOT1/MIRO1; Polyclonal Antibody; [KD Validated] RHOT1/MIRO1 Rabbit pAb; ARHT1; MIRO1; MIRO-1; anti-RHOT1/MIRO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-RHOT1/MIRO1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Positive Samples	293T, K-562, Mouse brain, Mouse testis, Rat testis
Cellular Location	mitochondrial outer membrane, mitochondrion
Research Area	Cell Biology Developmental Biology, Apoptosis, Endocrine Metabolism, Mitochondrial metabolism
Immunogen	Recombinant protein of human RHOT1/MIRO1.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using [KD Validated] RHOT1/MIRO1 Rabbit pAb (AAA282414) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts from wild type(WT) and RHOT1/MIRO1 knockdown (KD) 293T(KD) cells, using RHOT1/MIRO1 antibody (AAA282414) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

**WB (Western Blot)**

Western blot analysis of Rat testis, using RHOT1/MIRO1 antibody (AAA282414) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

**WB (Western Blot)**

Western blot analysis of various lysates, using RHOT1/MIRO1 antibody (AAA282414) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-RHOT1/MIRO1 antibody	Predicted to enable GTP binding activity and GTPase activity. Involved in cellular homeostasis; mitochondrial outer membrane permeabilization; and mitochondrion transport along microtubule. Is integral component of mitochondrial outer membrane.
Product Categories/Family for anti-RHOT1/MIRO1 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	75750480
NCBI GeneID	55288
NCBI Accession #	NP_001028740
NCBI GenBank Nucleotide #	NM_001033568.2
UniProt Accession #	Q8IXI2 ; Q6NUR3 ; Q6P9F8 ; Q6PJG1 ; Q6YMW8 ; Q86UB0 ; Q8IW28 ; Q8IXJ7 ; A4FVB6 ; A6NFV0 ; B4DG48 ; J9JIH9
Molecular Weight	Predicted: 76 kDa Observed: 78 kDa
NCBI Official Full Name	mitochondrial Rho GTPase 1 isoform 1
NCBI Official Synonym Full Names	ras homolog family member T1
NCBI Official Symbol	RHOT1
NCBI Official Synonym Symbols	ARHT1; MIRO1; MIRO-1
NCBI Protein Information	mitochondrial Rho GTPase 1; mitochondrial Rho (MIRO) GTPase 1; ras homolog gene family, member T1; rac-GTP binding protein-like protein
UniProt Protein Name	Mitochondrial Rho GTPase 1
UniProt Gene Name	RHOT1
UniProt Synonym Gene Names	ARHT1; MIRO-1; hMiro-1
UniProt Entry Name	MIRO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rhot1-miro1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282414>