

Datasheet for ABIN2775403
anti-RHOD antibody (N-Term)[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	RHOD
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RHOD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RHOD
Sequence:	TAAQAAGEEA PPGVRSVKW LVGDGGCGKT SLLMVFADGA FPESYTPTVF
Predicted Reactivity:	Guinea Pig: 79%, Human: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against RHOD. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RHOD
Alternative Name:	RHOD (RHOD Products)

Target Details

Background:	<p>Ras homolog, or Rho, proteins interact with protein kinases and may serve as targets for activated GTPase. They play a critical role in muscle differentiation. RHOD binds GTP and is a member of the small GTPase superfamily. It is involved in endosome dynamics and reorganization of the actin cytoskeleton, and it may coordinate membrane transport with the function of the cytoskeleton. Ras homolog, or Rho, proteins interact with protein kinases and may serve as targets for activated GTPase. They play a critical role in muscle differentiation. The protein encoded by this gene binds GTP and is a member of the small GTPase superfamily. It is involved in endosome dynamics and reorganization of the actin cytoskeleton, and it may coordinate membrane transport with the function of the cytoskeleton. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: ARHD, RHOHP1, RHOM, Rho</p> <p>Protein Interaction Partner: ADRB2, IHH, ADCK5, UBC, PLXNA1, SMURF2, BMPR1B, SMAD2, SMAD4, DIAPH2, TGFB1, HRAS, ACVR1, CNKSR1, ARHGAP29,</p> <p>Protein Size: 210</p>
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Molecular Weight:	23 kDa
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Gene ID:	29984
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NCBI Accession:	NM_014578 , NP_055393
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UniProt:	O00212
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 210 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Publications

Product cited in:	Majumder, Cash, Fisk: "Non-Overlapping Distributions and Functions of the VDAC Family in Ciliogenesis." in: Cells , Vol. 4, Issue 3, pp. 331-53, (2015) (PubMed).
	Majumder, Fisk: "VDAC3 and Mps1 negatively regulate ciliogenesis." in: Cell cycle (Georgetown, Tex.) , Vol. 12, Issue 5, pp. 849-58, (2013) (PubMed).
	Majumder, Slabodnick, Pike, Marquardt, Fisk: "VDAC3 regulates centriole assembly by targeting Mps1 to centrosomes." in: Cell cycle (Georgetown, Tex.) , Vol. 11, Issue 19, pp. 3666-78, (2012) (PubMed).

Images

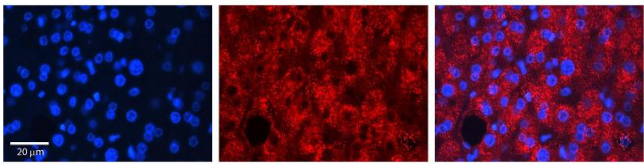


Western Blotting

Image 1. WB Suggested Anti-RHOD Antibody Titration: 0.2-1 ug/ml Positive Control: Transfected 293T

Immunohistochemistry

Image 2.



Immunohistochemistry

Image 3.

