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## Datasheet for ABIN6992082 **anti-RHOT1 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	RHOT1
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	RHOT1 antibody was raised against a 15 amino acid peptide near the amino terminus of human RHOT1. The immunogen is located within amino acids 40 - 90 of RHOT1.
Isotype:	IgG
Specificity:	RHOT1 antibody is human, mouse and rat reactive. At least three isoforms of RHOT1 are known to exist, this antibody will detect all three isoforms.
Purification:	RHOT1 antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	RHOT1
Alternative Name:	RHOT1 ( <a href="#">RHOT1 Products</a> )
Background:	The Ras homolog family member T1 (RHOT) is an atypical Rho Ca <sup>2+</sup> -binding GTPase that

## Target Details

localizes to the mitochondria (1). RHOT1, the related protein RHOT2, the adaptor protein Milton, and the PTEN induced putative kinase 1 (PINK1), form a complex that is involved in axonal transport of mitochondria (2,3). Both PINK1 and Parkin target RHOT1 for phosphorylation and degradation, causing the arrest of mitochondrial motility (4).

Molecular Weight: Predicted: 76 kDa

Observed: 78 kDa

Gene ID: 55288

NCBI Accession: [NP\\_001028740](#)

UniProt: [Q8IXI2](#)

## Application Details

Application Notes: RHOT1 antibody can be used for detection of RHOT1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RHOT1 antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: RHOT1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.