BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Mitochondrial Rho GTPase 1 RHOT1 Antibody

Catalog Number: A05928

About RHOT1

The Ras homolog family member T1 (RHOT) is an atypical Rho Ca2+-binding GTPase that 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).

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Overview

Product Name	Anti-Mitochondrial Rho GTPase 1 RHOT1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Mitochondrial Rho GTPase 1 RHOT1 Antibody (Catalog # A05928). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RHOT1 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	RHOT1 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8IXI2

Technical Details

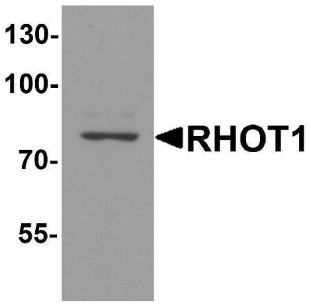
Immunogen	RHOT1 antibody was raised against a 15 amino acid peptide near the amino terminus of human RHOT1. The immunogen is located within amino acids 40 - 90 of RHOT1.
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	RHOT1 antibody is human, mouse and rat reactive. At least three isoforms of RHOT1 are known to exist; this antibody will detect all three isoforms.
Isotype	IgG

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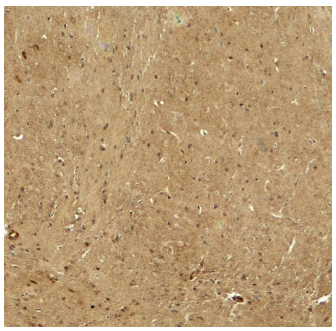
Form	Liquid
Concentration	1 mg/mL
Purification	RHOT1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RHOT1 antibody can be used for detection of RHOT1 by Western blot at 1 - 2 ug/ml. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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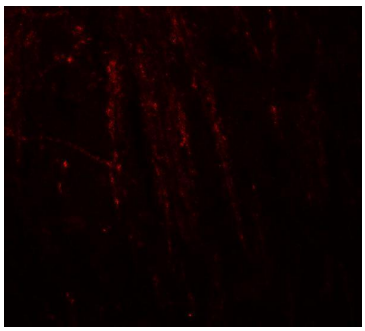
Anti-Mitochondrial Rho GTPase 1 RHOT1 Antibody (A05928) Images



Western blot analysis of RHOT1 in rat brain tissue lysate with RHOT1 antibody at 1 ug/ml.



Immunohistochemistry of RHOT in mouse brain tissue with RHOT antibody at 5 ug/ml.



Immunofluorescence of RHOT in mouse brain tissue with RHOT antibody at 20 ug/ml.

Anti-Mitochondrial Rho GTPase 1 RHOT1 Antibody

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