

## Product datasheet for **TA349118**

### MIRO1 (RHOT1) Rabbit Polyclonal Antibody

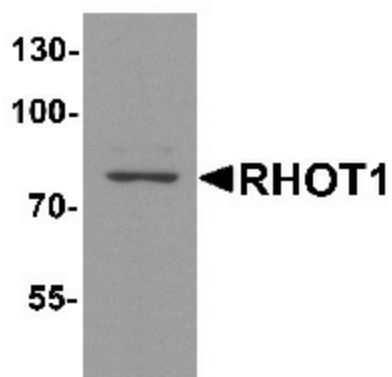
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	RHOT1 antibody was raised against a 15 amino acid peptide near the amino terminus of human RHOT1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	RHOT1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 76 kDa; Observed: 78 kDa
Gene Name:	ras homolog family member T1
Database Link:	<a href="#">NP_001028740</a> <a href="#">Entrez Gene 55288 Human</a> <a href="#">Q8IXI2</a>
Background:	The Ras homolog family member T1 (RHOT) is an atypical Rho Ca <sup>2+</sup> -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).
Synonyms:	ARHT1; MIRO-1; MIRO1

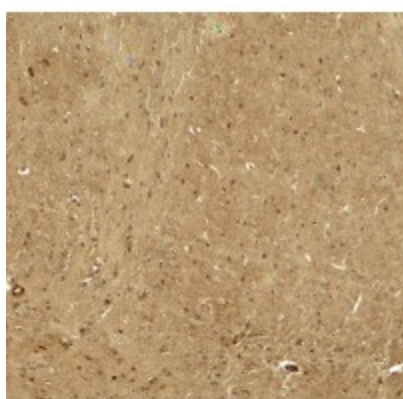


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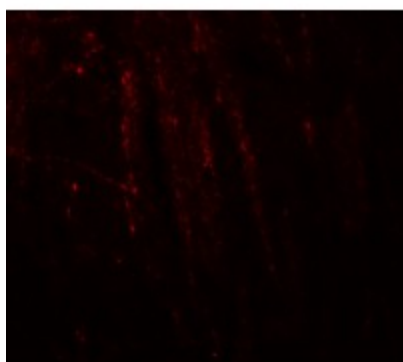
## Product images:



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.