

RHOT1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RHOT1.****Catalog # AT3640a****Specification**

RHOT1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q8IXI2
Other Accession	NM_018307
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	70784

RHOT1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 55288**Other Names**

Mitochondrial Rho GTPase 1, MIRO-1, hMiro-1, 365-, Rac-GTP-binding protein-like protein, Ras homolog gene family member T1, RHOT1, ARHT1

Target/Specificity

RHOT1 (NP_060777, 483 a.a. ~ 580 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

RHOT1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

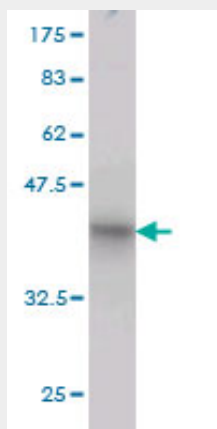
RHOT1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

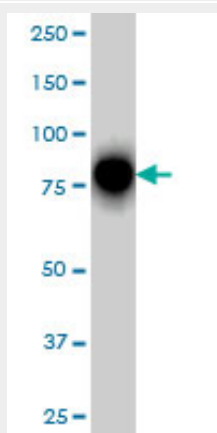
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

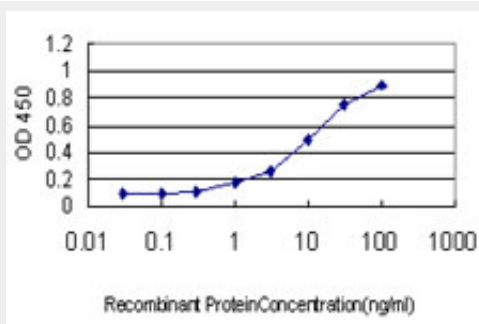
RHOT1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



RHOT1 monoclonal antibody (M01), clone 4H4 Western Blot analysis of RHOT1 expression in HeLa S3 NE (Cat # AT3640a)



Detection limit for recombinant GST tagged RHOT1 is approximately 0.3ng/ml as a capture antibody.

RHOT1 Antibody (monoclonal) (M01) - References

1.GTPase of the immune-associated nucleotide-binding protein 5 (GIMAP5) regulates calcium influx in T lymphocytes by promoting mitochondrial calcium accumulation.Chen XL, Serrano D, Mayhue M, Wieden HJ, Stankova J, Boulay G, Ilangumaran S, Ramanathan S.Biochem J. 2012 Oct 26. [Epub ahead of print]2.N-acetylglucosamine transferase is an integral component of a kinesin-directed mitochondrial trafficking complex.Pozo KB, Stephenson FA.Biochim Biophys Acta. 2010 Oct 27. [Epub ahead of print]3.GTPase dependent recruitment of Grif-1 by Miro1 regulates mitochondrial trafficking in hippocampal neurons.Macaskill AF, Brickley K, Stephenson FA, Kittler JT.Mol Cell Neurosci. 2009 Mar;40(3):301-12. Epub 2008 Dec 3.