

**TRIB3 Antibody (monoclonal) (M03)****Mouse monoclonal antibody raised against a partial recombinant TRIB3.****Catalog # AT4339a****Specification**

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**TRIB3 Antibody (monoclonal) (M03) - Product Information**

Application	WB, IF
Primary Accession	<a href="#">Q96RU7</a>
Other Accession	<a href="#">BC027484</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	39578

**TRIB3 Antibody (monoclonal) (M03) - Additional Information****Gene ID** 57761**Other Names**

Tribbles homolog 3, TRB-3, Neuronal cell death-inducible putative kinase, SINK, p65-interacting inhibitor of NF-kappa-B, TRIB3, C20orf97, NIPK, SKIP3, TRB3

**Target/Specificity**

TRIB3 (AAH27484, 56 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IF~~1:50~200

**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**

TRIB3 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

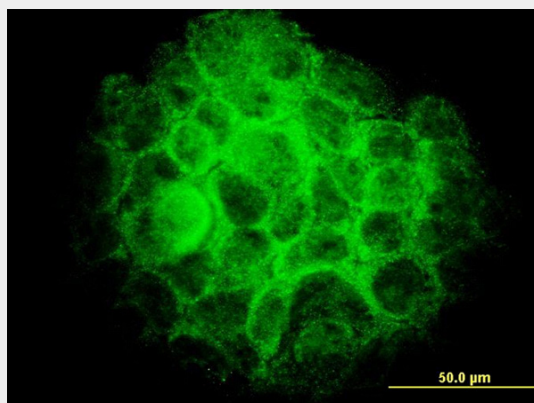
**TRIB3 Antibody (monoclonal) (M03) - Protocols**

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

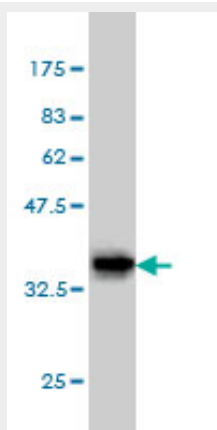
- [Western Blot](#)
- [Blocking Peptides](#)

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

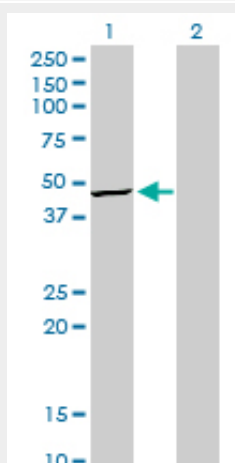
### TRIB3 Antibody (monoclonal) (M03) - Images



Immunofluorescence of monoclonal antibody to TRIB3 on A-431 cell. [antibody concentration 10 ug/ml]

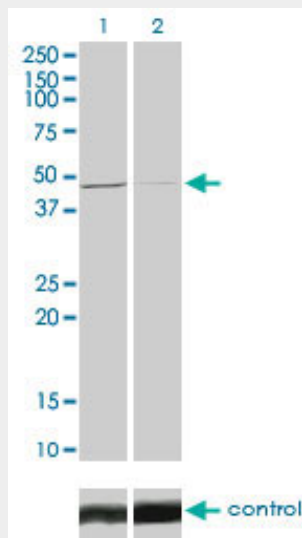


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



Western Blot analysis of TRIB3 expression in transfected 293T cell line by TRIB3 monoclonal antibody (M03), clone 1H2.

Lane 1: TRIB3 transfected lysate(39.6 KDa).  
Lane 2: Non-transfected lysate.



Western blot analysis of TRIB3 over-expressed 293 cell line, cotransfected with TRIB3 Validated Chimera RNAi (Cat # AT4339a)

#### TRIB3 Antibody (monoclonal) (M03) - Background

The protein encoded by this gene is a putative protein kinase that is induced by the transcription factor NF-kappaB. The encoded protein is a negative regulator of NF-kappaB and can also sensitize cells to TNF- and TRAIL-induced apoptosis. In addition, this protein can negatively regulate the cell survival serine-threonine kinase AKT1.

#### TRIB3 Antibody (monoclonal) (M03) - References

The TRIB3 R84 variant is associated with increased carotid intima-media thickness in vivo and with enhanced MAPK signalling in human endothelial cells. Formoso G, et al. Cardiovasc Res, 2010 Sep 2. PMID 20693163. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. The pseudokinase tribbles homolog 3 interacts with ATF4 to negatively regulate insulin exocytosis in human and mouse beta cells. Liew CW, et al. J Clin Invest, 2010 Aug 2. PMID 20592469. TRIB3 R84 variant affects glucose homeostasis by altering the interplay between insulin sensitivity and secretion. Prudente S, et al. Diabetologia, 2010 Jul. PMID 20393693. An integrative genomic approach in oesophageal cells identifies TRB3 as a bile acid responsive gene, downregulated in Barrett's oesophagus, which regulates NF-kappaB activation and cytokine levels. Duggan SP, et al. Carcinogenesis, 2010 May. PMID 20139130.