

## TRIB2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant TRIB2.

Catalog # AT4338a

### Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">Q92519</a>
<b>Other Accession</b>	<a href="#">NM_021643</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Lambda
<b>Clone Names</b>	1B1
<b>Calculated MW</b>	38801

### Additional Information

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<b>Gene ID</b>	28951
<b>Other Names</b>	Tribbles homolog 2, TRB-2, TRIB2 ( <a href="#">HGNC:30809</a> )
<b>Target/Specificity</b>	TRIB2 (NP_067675, 254 a.a. ~ 343 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	TRIB2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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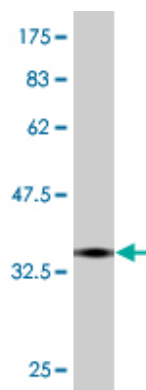
This gene encodes one of three members of the Tribbles family. The Tribbles members share a Trb domain, which is homologous to protein serine-threonine kinases, but lacks the active site lysine and probably lacks a catalytic function. The Tribbles proteins interact and modulate the activity of signal transduction pathways in a number of physiological and pathological processes. This Tribbles member induces apoptosis of cells mainly of the hematopoietic origin. It has been identified as a protein up-regulated by inflammatory stimuli in myeloid (THP-1) cells, and also as an oncogene that inactivates the transcription factor C/EBPalpha (CCAAT/enhancer-binding protein alpha) and causes acute myelogenous leukemia. Alternatively spliced transcript variants have been found for this gene.

### References

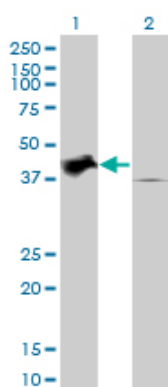
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1. Ubiquitin E3 ligase SCF<sup>?</sup>-TRCP regulates TRIB2 stability in liver cancer cells. Qiao Y, Zhang Y, Wang J Biochem Biophys Res Commun. 2013 Nov 5. pii: S0006-291X(13)01814-7. doi: 10.1016/j.bbrc.2013.10.123. 2. Impaired phosphorylation and ubiquitination by P70 S6 kinase (P70S6K) and Smad ubiquitination regulatory factor 1 (Smurf1) promotes Tribbles homolog 2 (TRIB2) stability and carcinogenic property in liver cancer. Wang J, Zhang Y, Weng W, Qiao Y, Ma L, Xiao W, Yu Y, Pan Q, Sun F J Biol Chem. 2013 Oct 2.

## Images

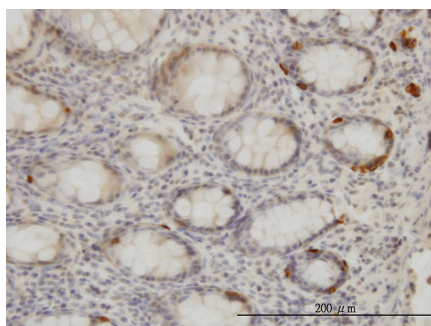


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .

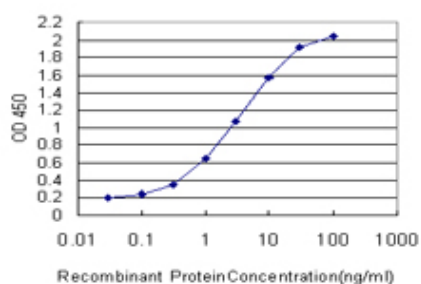


Western Blot analysis of TRIB2 expression in transfected 293T cell line by TRIB2 monoclonal antibody (M04), clone 1B1.

Lane 1: TRIB2 transfected lysate (38.8 KDa).  
Lane 2: Non-transfected lysate.

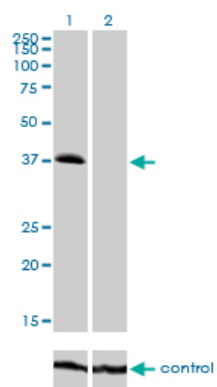


Immunoperoxidase of monoclonal antibody to TRIB2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TRIB2 is approximately 0.03 ng/ml as a capture antibody.

Western blot analysis of TRIB2 over-expressed 293 cell line, cotransfected with TRIB2 Validated Chimera RNAi (Cat # AT4338a)



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.