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TRIB2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant TRIB2.
Catalog # AT4338a

Product Information

Application	WB, IHC, E
Primary Accession	Q92519
Other Accession	NM_021643
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Lambda
Clone Names	1B1
Calculated MW	38801

Additional Information

Gene ID	28951
Other Names	Tribbles homolog 2, TRB-2, TRIB2 (HGNC:30809)
Target/Specificity	TRIB2 (NP_067675, 254 a.a. ~ 343 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
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	TRIB2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

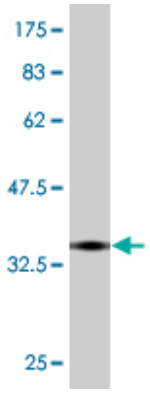
Background

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.

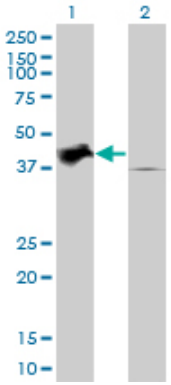
References

1.Ubiquitin E3 ligase SCF?-TRCP regulates TRIB2 stability in liver cancer cells.Qiao Y, Zhang Y, Wang JBiochem 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 FJ Biol Chem. 2013 Oct 2.

Images

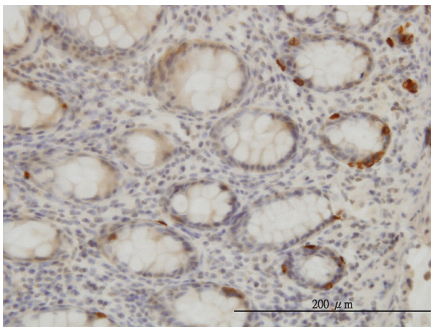


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .

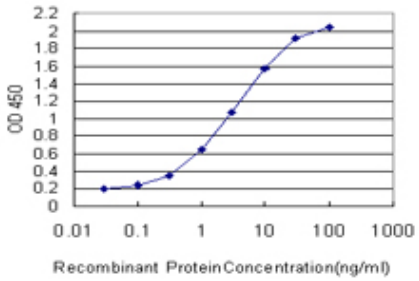


Western Blot analysis of TRIB2 expression in transfected 293T cell line by TRIB2 monoclonal antibody (M04), clone 1B1.

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

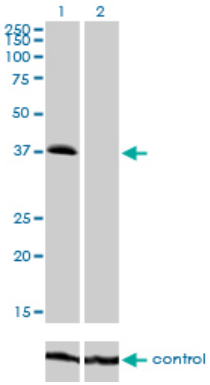


Immunoperoxidase of monoclonal antibody to TRIB2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TRIB2 is approximately 0.03ng/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'.