TRIB2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIB2, Polyclonal Antibody
Full Product Name	TRIB2 Polyclonal Antibody
Product Gene Name	anti-TRIB2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	38kDa
OMIM	609462
3D Structure	ModBase 3D Structure for Q92519
Immunogen	Recombinant protein of human TRIB2 (NP_067675.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRIB2 antibody	Western Blot (WB)
Application Notes for anti-TRIB2 antibody	WB: 1:500-1:2000
Related Product Information for anti-TRIB2 antibody	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.
Other Notes	Small volumes of anti-TRIB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIB2 purchase	MBS8566934 is an antibody targeting TRIB2. Also known as TRIB2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIB2. It may not necessarily be applicable to this product.

NCBI GI #	11056054
NCBI GeneID	28951

NCBI Accession #	NP_067675.1
UniProt Primary Accession #	Q92519
UniProt Related Accession #	Q92519
GenBank Nucleotide #	NP_067675.1
NCBI Official Full Name	tribbles homolog 2
NCBI Official Synonym Full Names	tribbles pseudokinase 2
NCBI Official Symbol	TRIB2
NCBI Official Synonym Symbols	C5FW; TRB2; GS3955
UniProt Protein Name	Tribbles homolog 2
Protein Family	Tribbles
UniProt Gene Name	TRIB2
UniProt Synonym Gene Names	TRB-2
UniProt Entry Name	TRIB2_HUMAN
NCBI Protein Information	tribbles homolog 2
UniProt Comments for TRIB2	TRB2: Interacts with MAPK kinases and regulates activation of MAP kinases. Does not display kinase activity. Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Tribbles subfamily. Protein type: Protein kinase, CAMK; Kinase, protein; Protein kinase, Ser/Thr (non-receptor); CAMK group; Trbl family Chromosomal Location of Human Ortholog: 2p24.3 Cellular Component: cytoplasm; cytoskeleton; nucleus Molecular Function: mitogen-activated protein kinase kinase binding; nucleotide binding; protein kinase activity; protein kinase inhibitor activity; transcription factor binding; ubiquitin protein ligase binding; ubiquitin-protein ligase regulator activity Biological Process: negative regulation of fat cell differentiation; negative regulation of interleukin-10 biosynthetic process; negative regulation of protein kinase activity; positive regulation of proteasomal ubiquitin-dependent protein catabolic process; protein amino acid phosphorylation; regulation of MAP kinase activity
Research Articles on TRIB2	**1.** TRIB2 suppresses cellular senescence through interaction with AP4 to down-regulate p21 expression.
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