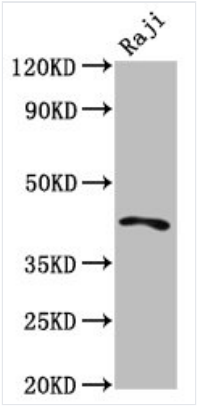
TRIB1 Antibody – Rabbit Polyclonal

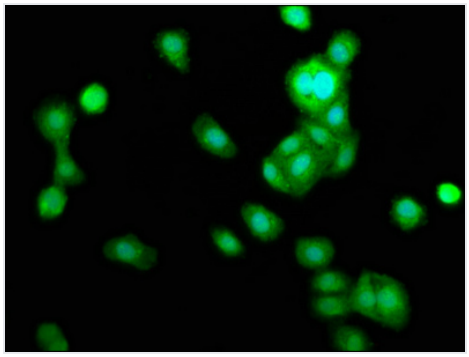
PRODUCT OVERVIEW

Product Name	TRIB1, Polyclonal Antibody
Full Product Name	TRIB1 Antibody
Product Gene Name	anti-TRIB1 antibody
Product Synonym Names	Tribbles homolog 1; TRB-1; G-protein-coupled receptor-induced gene 2 protein; GIG-2; SKIP1; TRIB1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: TRIB1 (MBS7107443) HRP Conjugated Antibody: TRIB1 (MBS7107444)
Matching Pairs	Unconjugated Antibody: TRIB1 (MBS7107443) FITC Conjugated Antibody: TRIB1 (MBS7107445)
Matching Pairs	Unconjugated Antibody: TRIB1 (MBS7107443) Biotin Conjugated Antibody: TRIB1 (MBS7107446)
Molecular Weight	23,473 Da
OMIM	AF250310 mRNA
3D Structure	ModBase 3D Structure for Q96RU8
Immunogen	Recombinant Human Tribbles homolog 1 protein (3-91AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-TRIB1 antibody	Cardiovascular; Metabolism; Signal transduction; Stem cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRIB1 antibody	ELISA (EIA), Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-TRIB1 antibody	WB: 1:500-1:5000 IF: 1:50-1:200

Related Product Information for anti-TRIB1 antibody	Adapter protein involved in protein degradation by interacting with RFWD2/COP1 ubiquitin ligase (PubMed:27041596). The RFWD2-binding motif is masked by autoinhibitory interactions with the protein kinase domain (PubMed:26455797). Serves to alter RFWD2 substrate specificity by directing the activity of RFWD2 toward CEBPA (PubMed:27041596). Binds selectively the recognition sequence of CEBPA (PubMed:26455797). Regulates myeloid cell differentiation by altering the expression of CEBPA in a RFWD2-dependent manner (By similarity). Controls macrophage, eosinophil and neutrophil differentiation via the COP1-binding domain (By similarity). Interacts with MAPK kinases and regulates activation of MAP kinases, but has no kinase activity (PubMed:15299019, PubMed:26455797).
Other Notes	Small volumes of anti-TRIB1 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 TRIB1 purchase	MBS7107443 is an antibody targeting TRIB1. Also known as TRIB1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TRIB1 antibody
Western BlotPositive WB detected in: Raji whole cell lysateAll lanes: TRIB1 antibody at 4.3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 42, 24 KDaObserved band size: 42 KDa



Immunofluorescence (IF) of anti-TRIB1 antibody
Immunofluorescence staining of HepG2 cells with MBS7107443 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIB1. It may not necessarily be applicable to this product.

NCBI GI #	545477471
NCBI GeneID	10221
NCBI Accession #	NP_001269914.1
UniProt Primary Accession #	Q96RU8
UniProt Secondary Accession #	O15180; Q9H2Y8; B4DMM6; C5HU08
UniProt Related Accession #	Q96RU8
GenBank Nucleotide #	NM_001282985.1
NCBI Official Full Name	tribbles homolog 1 isoform 2
NCBI Official Synonym Full Names	tribbles pseudokinase 1
NCBI Official Symbol	TRIB1
NCBI Official Synonym Symbols	C8FW; GIG2; TRB1; GIG-2; SKIP1; TRB-1
UniProt Protein Name	Tribbles homolog 1
UniProt Synonym Protein Names	G-protein-coupled receptor-induced gene 2 protein; GIG-2; SKIP1
Protein Family	Tribbles
UniProt Gene Name	TRIB1

UniProt Synonym Gene Names	TRB-1; GIG-2
NCBI Protein Information	tribbles homolog 1
UniProt Comments for TRIB1	Adapter protein involved in protein degradation by interacting with RFWD2/COP1 ubiquitin ligase (PubMed:27041596). The RFWD2-binding motif is masked by autoinhibitory interactions with the protein kinase domain (PubMed:26455797). Serves to alter RFWD2 substrate specificity by directing the activity of RFWD2 toward CEBPA (PubMed:27041596). Binds selectively the recognition sequence of CEBPA (PubMed:26455797). Regulates myeloid cell differentiation by altering the expression of CEBPA in a RFWD2-dependent manner (). Controls macrophage, eosinophil and neutrophil differentiation via the COP1-binding domain (). Interacts with MAPK kinases and regulates activation of MAP kinases, but has no kinase activity (PubMed:15299019, PubMed:26455797).
Research Articles on TRIB1	**1.** role of TRIB1 in cell cycle and survival that is mediated via the modulation of NFkappaB signaling.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/trib1/7107443