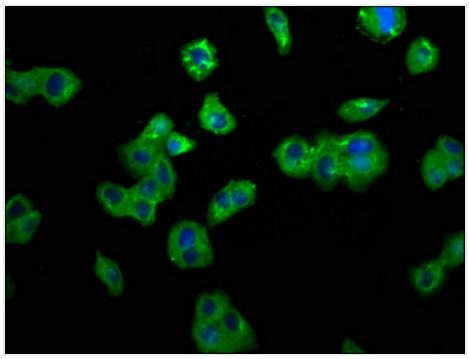
TNFRSF10B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNFRSF10B, Polyclonal Antibody
Full Product Name	TNFRSF10B Antibody
Product Gene Name	anti-TNFRSF10B antibody
Product Synonym Names	Tumor necrosis factor receptor superfamily member 10B; Death receptor 5; TNF-related apoptosis-inducing ligand receptor 2; TRAIL receptor 2; TRAIL-R2; TNFRSF10B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: TNFRSF10B (MBS7004768) HRP Conjugated Antibody: TNFRSF10B (MBS7049516)
Matching Pairs	Unconjugated Antibody: TNFRSF10B (MBS7004768) FITC Conjugated Antibody: TNFRSF10B (MBS7049517)
Matching Pairs	Unconjugated Antibody: TNFRSF10B (MBS7004768) Biotin Conjugated Antibody: TNFRSF10B (MBS7049518)
Molecular Weight	21,311 Da
OMIM	116952
3D Structure	ModBase 3D Structure for P60953
Immunogen	Recombinant human TNFRSF10B protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7192 / sc-7191
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNFRSF10B antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TNFRSF10B antibody	Recommended dilution: WB:1:500-2000
Related Product Information for anti-TNFRSF10B antibody	Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.

Other Notes	Small volumes of anti-TNFRSF10B 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 TNFRSF10B purchase	MBS7004768 is an antibody targeting TNFRSF10B. Also known as TNFRSF10B Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-TNFRSF10B antibody
Immunofluorescence staining of HepG2 cells with MBS7004768 at 1:200,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 TNFRSF10B. It may not necessarily be applicable to this product.

NCBI GI #	89903012
NCBI GeneID	998
NCBI Accession #	NP_001034891.1
UniProt Primary Accession #	P60953
UniProt Secondary Accession #	P21181; P25763; Q7L8R5; Q9UDI2
UniProt Related Accession #	P60953
GenBank Nucleotide #	NM_001039802.1
NCBI Official Full Name	cell division control protein 42 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 42
NCBI Official Symbol	CDC42
NCBI Official Synonym Symbols	TKS; G25K; CDC42Hs
UniProt Protein Name	Cell division control protein 42 homolog
UniProt Synonym Protein Names	G25K GTP-binding protein
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	CDC42
UniProt Entry Name	CDC42_HUMAN
NCBI Protein Information	cell division control protein 42 homolog

NCBI Summary for TNFRSF10B	The protein encoded by this gene is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. This protein is highly similar to Saccharomyces cerevisiae Cdc 42, and is able to complement the yeast cdc42-1 mutant. The product of oncogene Dbl was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants. Pseudogenes of this gene have been identified on chromosomes 3, 4, 5, 7, 8 and 20. [provided by RefSeq, Apr 2013]
UniProt Comments for TNFRSF10B	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. Regulates the bipolar attachment of spindle microtubules to kinetochores before chromosome congression in metaphase. Plays a role in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. Mediates CDC42-dependent cell migration.
Research Articles on TNFRSF10B	**1.** Cdc42 may promote breast cancer cell migration and invasion by inhibiting ERK5 phosphorylation and ERK5 expression may be inversely correlated with the progression of some breast tumors.
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