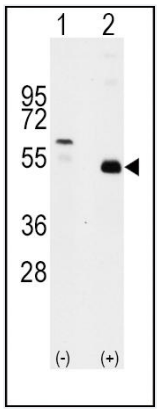
TRAF2 Antibody – Rabbit Polyclonal

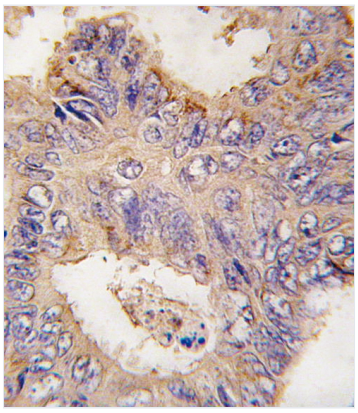
PRODUCT OVERVIEW

Product Name	TRAF2, Polyclonal Antibody
Full Product Name	TRAF2, CT (TNF Receptor-associated Factor 2, Tumor Necrosis Factor Type 2 Receptor-associated Protein 3, TRAP3) (FITC)
Product Gene Name	anti-TRAF2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Ammonium Sulfate Precipitation
Specificity	Recognizes human TRAF2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	55.729
OMIM	601895
3D Structure	ModBase 3D Structure for Q12933
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 343-372 in the C-terminal region of human TRAF2, UniProt Accession #Q12933.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TRAF2 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-TRAF2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-TRAF2 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-TRAF2 antibody	MBS6503194 is an antibody targeting TRAF2. Also known as TRAF2, CT (TNF Receptor-associated Factor 2, Tumor Necrosis Factor Type 2 Receptor-associated Protein 3, TRAP3) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-TRAF2 antibody	1. Merluzzi, S., Mol. Immunol. 45(1), 76-86 (2008). 2. Mainou, B.A., J. Virol. 81(18), 9680-9692 (2007). 3. Morrison, B.H., J. Biol. Chem. 282(21), 15349-15356 (2007).

Other Notes	Small volumes of anti-TRAF2 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.



Western Blot (WB) of anti-TRAF2 antibody
Western Blot analysis using T8171-94L. 293 cell lysates (2 ug/lane) either nontransfected (c) or transiently transfected with the TRAF2 gene (Lane 2)



Immunohistochemistry (IHC) of anti-TRAF2 antibody
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with T8171-94L, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRAF2. It may not necessarily be applicable to this product.

NCBI GI #	22027614
NCBI Accession #	NP_663770
UniProt Primary Accession #	Q12933
UniProt Protein Name	TNF receptor-associated factor 2
UniProt Synonym Protein Names	E3 ubiquitin-protein ligase TRAF2; Tumor necrosis factor type 2 receptor-associated protein 3
Protein Family	TNF receptor-associated factor
UniProt Gene Name	TRAF2
UniProt Synonym Gene Names	TRAP3
UniProt Entry Name	TRAF2_HUMAN

UniProt Comments for TRAF2	TRAF2: Regulates activation of NF-kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis. Required for normal antibody isotype switching from IgM to IgG. Has E3 ubiquitin-protein ligase activity and promotes 'Lys-63'- linked ubiquitination of target proteins, such as BIRC3, RIPK1 and TICAM1. Is an essential constituent of several E3 ubiquitin- protein ligase complexes, where it promotes the ubiquitination of target proteins by bringing them into contact with other E3 ubiquitin ligases. Regulates BIRC2 and BIRC3 protein levels by inhibiting their autoubiquitination and subsequent degradation; this does not depend on the TRAF2 RING-type zinc finger domain. Homotrimer, and heterotrimer with TRAF1 and TRAF3 (via TRAF domain). The domain containing the RING-type and the first TRAF-type zinc finger can also form homodimers (in vitro). Interacts with TNFRSF1B/TNFR2, TNFRSF4, TNFRSF5/CD40, CD27/TNFRSF7, TNFRSF8/CD30, TNFRSF9/CD137, TNFRSF11A/RANK, TNFRSF13B/TACI, TNFRSF14, TNFRSF16/NGFR, TNFRSF17/BCMA, TNFRSF18/AITR, TNFRSF19/TROY, TNFRSF19L/RELT, XEDAR, EDAR, Epstein-Barr virus BNFL1/LMP-1 and IL15RA. Interacts with CDK9, CSK, MAP3K1, MAP3K5, MAP3K11, MAP3K14, MAP4K2, RIPK1, RIPK2, TNIK, TBK1, SPHK1, TRADD, TRAFD1, TRAIP, TANK/ITRAF, TNFAIP3, TDP2, MAVS/IPS1, TICAM1 and TRPC4AP. Interacts with CASP8AP2, NFATC2IP, PEG3 and HIVEP3. Interacts with BIRC2 and BIRC3 N- terminus; a single BIRC2 or BIRC3 molecule interacts with a heterotrimer formed by TRAF1 and TRAF2, or a TRAF2 homotrimer. Identified in a complex composed of TRAF2, TRAF3, BIRC2 and BIRC3. Interaction with BIRC2 and/or BIRC3 is essential for degradation of NFKBIA and activation of NF-kappa-B. Interacts with CYLD, USP48, DAB2IP, IKKA and IKKB. Identified in a complex with TNFRSF1A, RIPK1 and IKKB. Interacts (via 'Lys-63'-linked polyubiquitin chains) with TAB2 and TAB3. Interacts with ERN1 and TAOK3. Interaction with TAOK3 is facilitated under ER stress conditions, such as treatment with tunicamycin, and may promote TRAF2 phosphorylation. Has very low E3 ubiquitin ligase activity in the absence of sphingosine-1-phosphate. E3 ubiquitin ligase activity is strongly activated by cytoplasmic sphingosine-1- phosphate. Belongs to the TNF receptor-associated factor family. A subfamily. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Ligase; Ubiquitin conjugating system; Autophagy; Ubiquitin ligase; EC 6.3.2.- Chromosomal Location of Human Ortholog: 9q34 Cellular Component: internal side of plasma membrane; cytoplasm; vesicle membrane; cell cortex; cytosol; ubiquitin ligase complex; lipid raft Molecular Function: identical protein binding; sphingolipid binding; zinc ion binding; CD40 receptor binding; ubiquitin-protein ligase activity; mitogen-activated protein kinase kinase kinase binding; tumor necrosis factor receptor binding; protein phosphatase binding; protein binding; signal transducer activity; enzyme binding; ubiquitin protein ligase binding; thioesterase binding; protein complex binding; ligase activity Biological Process: caspase activation; positive regulation of JNK activity; protein autoubiquitination; protein heterooligomerization; apoptosis; activation of NF-kappaB-inducing kinase; positive regulation of T cell cytokine production; signal transduction; activation of NF-kappaB transcription factor; regulation of apoptosis; cellular protein complex assembly; tumor necrosis factor-mediated signaling pathway; positive regulation of interleukin-2 production; innate immune response; protein catabolic process; protein complex assembly; positive regulation of transcription factor activity; positive regulation of T cell activation; regulation of immunoglobulin secretion
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/traf2/6503194