TRAF3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRAF3, Polyclonal Antibody
Full Product Name	TRAF3 Antibody, HRP conjugated
Product Gene Name	anti-TRAF3 antibody
Product Synonym Names	TNF receptor-associated factor 3; CAP-1; CD40 receptor-associated factor 1; CRAF1; CD40-binding protein; CD40BP; LMP1-associated protein 1; LAP1; TRAF3; CAP1; CRAF1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: TRAF3 (MBS7052465) HRP Conjugated Antibody: TRAF3 (MBS7052466)
Molecular Weight	55,306 Da
OMIM	U15637 mRNA
3D Structure	ModBase 3D Structure for Q13114
Immunogen	Recombinant Human TNF receptor-associated factor 3 protein (1-40AA)
Conjugation	HRP
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRAF3 antibody	ELISA (EIA)
Related Product Information for anti-TRAF3 antibody	Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14.
Other Notes	Small volumes of anti-TRAF3 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 TRAF3 purchase	MBS7052466 is an antibody targeting TRAF3. Also known as TRAF3 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRAF3. It may not necessarily be applicable to this product.

NCBI GI #	313661483
NCBI GeneID	7187
NCBI Accession #	NP_001186356.1
UniProt Primary Accession #	Q13114
UniProt Secondary Accession #	Q12990; Q13076; Q13947; Q6AZX1; Q9UNL1; B7Z8C4
UniProt Related Accession #	Q13114
GenBank Nucleotide #	NM_001199427.1
NCBI Official Full Name	TNF receptor-associated factor 3 isoform 3
NCBI Official Synonym Full Names	TNF receptor associated factor 3
NCBI Official Symbol	TRAF3
NCBI Official Synonym Symbols	CAP1; LAP1; CAP-1; CRAF1; IIAE5; CD40bp
UniProt Protein Name	TNF receptor-associated factor 3
UniProt Synonym Protein Names	CAP-1; CD40 receptor-associated factor 1; CRAF1; CD40-binding protein; CD40BP; LMP1-associated protein 1; LAP1
Protein Family	TNF receptor-associated factor
UniProt Gene Name	TRAF3
UniProt Synonym Gene Names	CAP1; CRAF1; CRAF1; CD40BP; LAP1
NCBI Protein Information	TNF receptor-associated factor 3
NCBI Summary for TRAF3	The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from, members of the TNF receptor (TNFR) superfamily. This protein participates in the signal transduction of CD40, a TNFR family member important for the activation of the immune response. This protein is found to be a critical component of the lymphotoxin-beta receptor (LTbetaR) signaling complex, which induces NF-kappaB activation and cell death initiated by LTbeta ligation. Epstein-Barr virus encoded latent infection membrane protein-1 (LMP1) can interact with this and several other members of the TRAF family, which may be essential for the oncogenic effects of LMP1. Several alternatively spliced transcript variants encoding three distinct isoforms have been reported. [provided by RefSeq, Dec 2010]

UniProt Comments for TRAF3	TRAF3: Regulates pathways leading to the activation of NF- kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa- B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14. Homotrimer. Heterotrimer with TRAF2 and TRAF5. Interacts with LTBR/TNFRSF3, TNFRSF4, TNFRSF5/CD40, TNFRSF8/CD30, TNFRSF13C TNFRSF17/BCMA, TLR4 and EDAR. Interacts with MAP3K5, MAP3K14, TRAIP/TRIP, TDP2/TTRAP, TANK/ITRAF and TRAF3IP1. Interaction with TNFRSF5/CD40 is modulated by TANK/ITRAF, which competes for the same binding site. Interacts with TICAM1. Interacts with TRAFD1. Interacts with OTUB1, OTUB2 and OTUD5. Interacts with RNF216, MAVS, OPTN and TBK1. Identified in a complex with TRAF2, MAP3K14 and BIRC3. Interacts with BIRC2 and BIRC3. Upon exposure to bacterial lipopolysaccharide (LPS), recruited to a transient complex containing TLR4, TRAF3, TRAF6, IKBKG, MAP3K7, MYD88, TICAM1, BIRC2, BIRC3 and UBE2N. Interacts with Epstein-Barr virus protein LMP1. Interacts (via RING-type zinc finger domain) with SRC. Belongs to the TNF receptor-associated factor family. A subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 14q32.32 Cellular Component: cytosol; internal side of plasma membrane Molecular Function: protein binding; protein phosphatase binding; signal transducer activity; thioesterase binding; tumor necrosis factor receptor binding; ubiquitin protein ligase binding; ubiquitin-protein ligase activity Biological Process: inhibition of NF-kappaB transcription factor; negative regulation of interferon type I production; regulation of cytokine production; regulation of defense response to virus; regulation of interferon-beta production; regulation of proteolysis; signal transduction; toll-like receptor signaling pathway; tumor necrosis factor-mediated signaling pathway Disease: Herpes Simplex Encephalitis, Susceptibility To, 3
Research Articles on TRAF3	**1.** PLK1 overexpression in prostate epithelial cells triggers oncogenic transformation. The signaling mechanisms underlying the observed cellular effects of PLK1 involve direct PLK1-dependent phosphorylation of CRAF with subsequent stimulation of the MEK1/2-ERK1/2-Fra1-ZEB1/2 signaling pathway.
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