

Rabbit TRAF3 Polyclonal Antibody | anti-TRAF3 antibody

TRAF3 Antibody

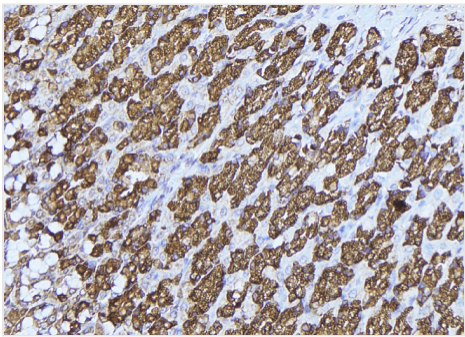
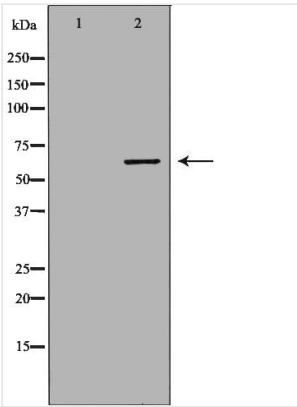
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326907	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TRAF3; Polyclonal Antibody; TRAF3 Antibody; CAP 1; CAP-1; CAP1; CD40 associated protein 1; CD40 binding protein; CD40 bp; CD40 receptor associated factor 1; CD40 receptor-associated factor 1; CD40-binding protein; CD40BP; CRAF 1; CRAF1; IIAE5; LAP 1; LAP1; LMP1 associated protein; LMP1-associated protein 1; MIPT3; TNF receptor associated factor 3; TNF receptor-associated factor 3; TRAF 3; Traf3; TRAF3_HUMAN; anti-TRAF3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRAF3 antibody detects endogenous levels of total TRAF3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	485
Applicable Applications for anti-TRAF3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human TNF receptor-associated factor 3
Subcellular Location	Cytoplasm. Endosome. Mitochondrion. Undergoes endocytosis together with TLR4 upon LPS signaling (By similarity). Associated with mitochondria in response to virus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326907 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of mouse kidney, using TRAF3 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAF3 antibody

Description: 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.

Function: 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.

Subunit Structure: 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, TRAF1/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 (By similarity). Interacts with Epstein-Barr virus protein LMP1. Interacts (via RING-type zinc finger domain) with SRC. Interacts with CARD14. Interacts (via MATH domain) with PTPN22; the interaction promotes TRAF3 polyubiquitination (PubMed:23871208).

Post-translational Modifications: Undergoes 'Lys-48'-linked polyubiquitination, leading to its proteasomal degradation in response to signaling by TNFSF13B, TLR4 or through CD40. 'Lys-48'-linked polyubiquitinated form is deubiquitinated by OTUD7B, preventing TRAF3 proteolysis and over-activation of non-canonical NF-kappa-B. Undergoes 'Lys-63'-linked ubiquitination during early stages of virus infection, and 'Lys-48'-linked ubiquitination during later stages. Undergoes both 'Lys-48'-linked and 'Lys-63'-linked ubiquitination in response to TLR3 and TLR4 signaling. Deubiquitinated by OTUB1, OTUB2 and OTUD5.

Similarity: The MATH/TRAF domain binds to receptor cytoplasmic domains. The Ring-type zinc finger domain is required for its function in down-regulation of NFKB2 proteolytic processing. Belongs to the TNF receptor-associated factor family. A subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313661483
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NCBI GeneID	7187
NCBI Accession #	NP_001186356.1
NCBI GenBank Nucleotide #	NM_001199427.1
UniProt Accession #	Q13114; Q12990; Q13076; Q13947; Q6AZX1; Q9UNL1; B7Z8C4
Molecular Weight	Observed: 64 kDa Predicted: 65 kDa
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; RNF118
NCBI Protein Information	TNF receptor-associated factor 3
UniProt Protein Name	TNF receptor-associated factor 3
UniProt Gene Name	TRAF3
UniProt Synonym Gene Names	CAP1; CRAF1; CRAF1; CD40BP; LAP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/traf3-antibody-immunohistochemistry-western-blot-elisa/326907>