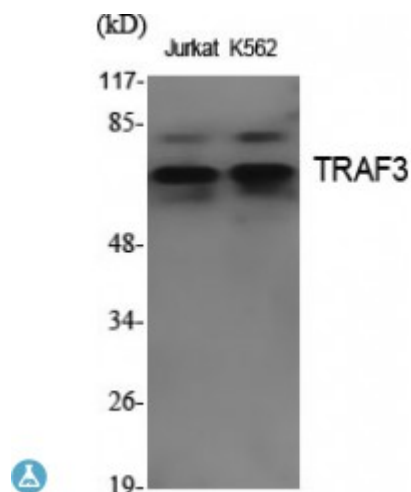


Anti-TRAF3 antibody



Description	Rabbit polyclonal to TRAF3.
Model	STJ96083
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, FC, WB
Immunogen	Synthesized peptide derived from human TRAF3.
Immunogen Region	Internal
Gene ID	7187
Gene Symbol	TRAF3
Dilution range	WB 1:500-1:2000ICC 1:200-1:1000ELISA 1:10000
Specificity	TRAF3 Polyclonal Antibody detects endogenous levels of TRAF3 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	TNF receptor-associated factor 3 CAP-1 CD40 receptor-associated factor 1 CRAF1 CD40-binding protein CD40BP LMP1-associated protein 1 LAP1 RING-type E3 ubiquitin transferase TRAF3
Molecular Weight	64 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12033OMIM:601896
Alternative Names	TNF receptor-associated factor 3 CAP-1 CD40 receptor-associated factor 1 CRAF1 CD40-binding protein CD40BP LMP1-associated protein 1 LAP1 RING-type E3 ubiquitin transferase TRAF3
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.
Sequence and Domain Family	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.
Cellular Localization	Cytoplasm Endosome Mitochondrion. Undergoes endocytosis together with TLR4 upon LPS signaling . Associated with mitochondria in response to virus.
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.