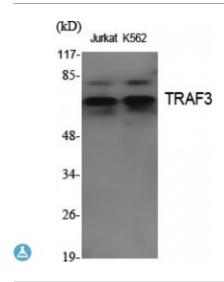


Anti-TRAF3 antibody



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 <u>7187</u>

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 <u>HGNC:12033OMIM:601896</u>

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 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.

Modifications