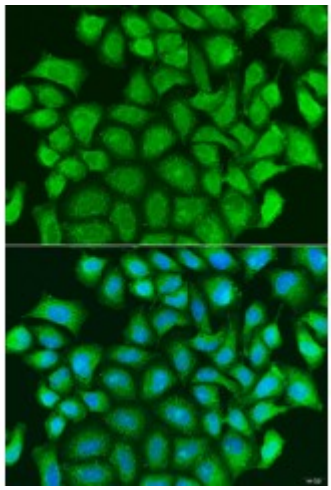
Anti-TRAF3 Antibody



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.

Model	STJ117300
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TRAF3 (NP_003291.2).
Gene ID	7187
Gene Symbol	TRAF3
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	TNF receptor-associated factor 3
Molecular Weight	64.49 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12033OMIM:601896Reactome:R-HSA-5602571
Alternative Names	TNF receptor-associated factor 3
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,
Cellular Localization	Cytoplasm, Mitochondrion,
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,