

ARG54694 anti-TRAF3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRAF3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRAF3
Species	Human
Immunogen	Synthetic peptide (15 aa) within aa. 20-70 of Human TRAF3.
Conjugation	Un-conjugated
Alternate Names	LMP1-associated protein 1; EC 6.3.2.-; CD40 receptor-associated factor 1; LAP1; CAP-1; CD40-binding protein; CAP1; CD40BP; IIAE5; CRAF1; CD40bp; TNF receptor-associated factor 3

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	10 µg/ml
	WB	2 - 4 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa Cell Lysate	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

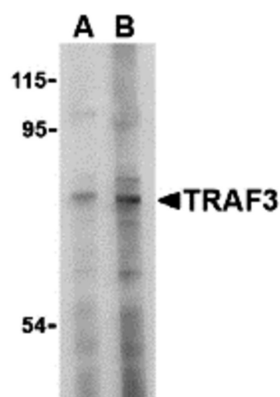
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

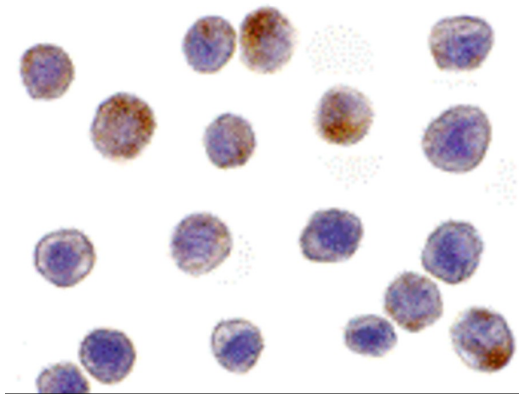
Gene Symbol	TRAF3
Gene Full Name	TNF receptor-associated factor 3
Background	TRAF3 Antibody: Tumor necrosis factor (TNF) receptor associated factors (TRAFs) are the major signal transducers for the TNF receptor superfamily and the interleukin-1 receptor/Toll-like receptor (IL-1/TLR) superfamily. TRAF3 was first identified by its interaction with CD40 and the Epstein-Barr virus transforming protein LMP1. Several TRAF3 mRNA splice variants exist and some of these can activate the transcription factor NF- κ B. Besides CD40, TRAF3 also interacts with the TRFR superfamily member lymphotoxin-beta receptor (LTbetaR) in association with TRAF2 and the apoptosis inhibitors cIAP1 and Smac. It has been suggested that TRAF3 induces mitochondria-mediated apoptosis upon binding of the TNF family cytokine LIGHT by LTbetaR.
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. [UniProt]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies: Related poster download: The NF-kappa B Pathways.pdf
Research Area	Cancer antibody; Cell Death antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	64 kDa
PTM	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.

Images



ARG54694 anti-TRAF3 antibody WB image

Western blot: HeLa cell lysate stained with ARG54694 anti-TRAF3 antibody at (A) 2 and (B) 4 ug/ml dilution.



ARG54694 anti-TRAF3 antibody ICC/IF image

Immunocytochemistry: HeLa cells stained with ARG54694 anti-TRAF3 antibody at 10 ug/ml dilution.