

TRAF2 Antibody

Rabbit mAb

Catalog # AP90841

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q12933
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	TNF receptor-associated factor 2; E3 ubiquitin-protein ligase TRAF2; Tumor necrosis factor type 2 receptor-associated protein 3; TRAF2; TRAP3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	55859

Additional Information

Dilution	WB 1:500~1:1000 ICC/IF 1:50~1:200 IP 1:40 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TRAF2
Description	TRAFs (TNF receptor-associated factors) are a family of multifunctional adaptor proteins that bind to surface receptors and recruit additional proteins to form multiprotein signaling complexes capable of promoting cellular responses. Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR. In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

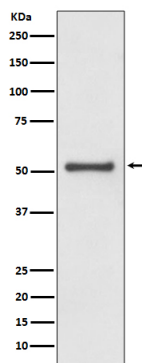
Name	TRAF2 {ECO:0000303 PubMed:28489822, ECO:0000312 HGNC:HGNC:12032}
Function	E3 ubiquitin-protein ligase that regulates activation of NF- kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis (PubMed: 10346818 , PubMed: 11784851 , PubMed: 12917689 , PubMed: 15383523 , PubMed: 18981220 , PubMed: 19150425 , PubMed: 19810754 , PubMed: 19918265 , PubMed: 19937093 , PubMed: 20047764 , PubMed: 20064526 , PubMed: 20385093 , PubMed: 20577214 , PubMed: 22212761). Catalyzes 'Lys-63'-linked ubiquitination of target proteins, such as BIRC3, IKBKE, MLST8, RIPK1 and TICAM1 (PubMed: 23453969 , PubMed: 28489822). Is an essential constituent of several E3 ubiquitin- protein ligase complexes, where it promotes the ubiquitination of target proteins by bringing them into contact with other E3 ubiquitin ligases (PubMed: 15383523 , PubMed: 18981220). Regulates BIRC2

and BIRC3 protein levels by inhibiting their autoubiquitination and subsequent degradation; this does not depend on the TRAF2 RING-type zinc finger domain (PubMed:[11907583](#), PubMed:[19506082](#)). Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR (PubMed:[15121867](#)). In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE (PubMed:[23453969](#)). Acts as a regulator of mTORC1 and mTORC2 assembly by mediating 'Lys-63'-linked ubiquitination of MLST8, thereby inhibiting formation of the mTORC2 complex, while facilitating assembly of the mTORC1 complex (PubMed:[28489822](#)). Required for normal antibody isotype switching from IgM to IgG (By similarity).

Cellular Location

Cytoplasm

Images



Western blot analysis of TRAF2 expression in HeLa cell lysate.

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