

TRAF2 Antibody

Rabbit mAb Catalog # AP92633

Product Information

Application WB, IHC, IF, FC, ICC, IP, IHF

Primary Accession

Reactivity

Clonality

Q12933

Human

Monoclonal

Other Names TNF receptor associated factor 2; TRAF2; TRAP3;

IsotypeRabbit IgGHostRabbitCalculated MW55859

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human TRAF2

Description Regulates activation of NF-kappa-B and JNK and plays a central role in the

regulation of cell survival and apoptosis.

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

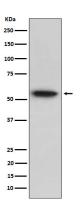
complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE

(PubMed:<u>23453969</u>). 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:<u>28489822</u>). Required for normal antibody isotype switching from IgM to IgG (By similarity).

Cellular Location

Cytoplasm

Images



Western blot analysis of TRAF2 expression in Raji cell lysate.

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