

**TRAF2 Antibody**  
Rabbit mAb  
Catalog # AP90841

## Specification

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### TRAF2 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">Q12933</a>
Reactivity	Rat
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 Da

### TRAF2 Antibody - Additional Information

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.

### TRAF2 Antibody - 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:<a href="http://www.uniprot.org/citations/10346818" target="\_blank">10346818</a>, PubMed:<a href="http://www.uniprot.org/citations/11784851" target="\_blank">11784851</a>, PubMed:<a href="http://www.uniprot.org/citations/12917689" target="\_blank">12917689</a>, PubMed:<a href="http://www.uniprot.org/citations/15383523" target="\_blank">15383523</a>, PubMed:<a

href="http://www.uniprot.org/citations/18981220" target="\_blank">18981220</a>, PubMed:<a href="http://www.uniprot.org/citations/19150425" target="\_blank">19150425</a>, PubMed:<a href="http://www.uniprot.org/citations/19810754" target="\_blank">19810754</a>, PubMed:<a href="http://www.uniprot.org/citations/19918265" target="\_blank">19918265</a>, PubMed:<a href="http://www.uniprot.org/citations/19937093" target="\_blank">19937093</a>, PubMed:<a href="http://www.uniprot.org/citations/20047764" target="\_blank">20047764</a>, PubMed:<a href="http://www.uniprot.org/citations/20064526" target="\_blank">20064526</a>, PubMed:<a href="http://www.uniprot.org/citations/20385093" target="\_blank">20385093</a>, PubMed:<a href="http://www.uniprot.org/citations/20577214" target="\_blank">20577214</a>, PubMed:<a href="http://www.uniprot.org/citations/22212761" target="\_blank">22212761</a>). Catalyzes 'Lys-63'-linked ubiquitination of target proteins, such as BIRC3, IKBKE, MLST8, RIPK1 and TICAM1 (PubMed:<a href="http://www.uniprot.org/citations/23453969" target="\_blank">23453969</a>, PubMed:<a href="http://www.uniprot.org/citations/28489822" target="\_blank">28489822</a>). 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:<a href="http://www.uniprot.org/citations/15383523" target="\_blank">15383523</a>, PubMed:<a href="http://www.uniprot.org/citations/18981220" target="\_blank">18981220</a>). 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:<a href="http://www.uniprot.org/citations/11907583" target="\_blank">11907583</a>, PubMed:<a href="http://www.uniprot.org/citations/19506082" target="\_blank">19506082</a>). Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR (PubMed:<a href="http://www.uniprot.org/citations/15121867" target="\_blank">15121867</a>). In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE (PubMed:<a href="http://www.uniprot.org/citations/23453969" target="\_blank">23453969</a>). 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:<a href="http://www.uniprot.org/citations/28489822" target="\_blank">28489822</a>). Required for normal antibody isotype switching from IgM to IgG (By similarity).

#### Cellular Location

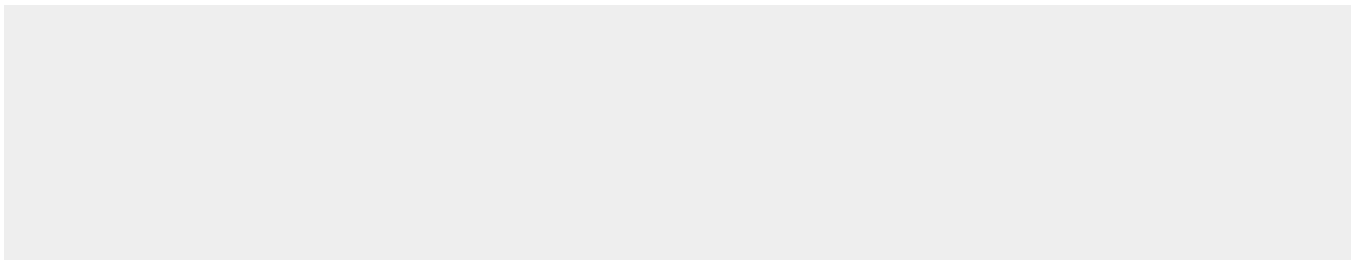
Cytoplasm

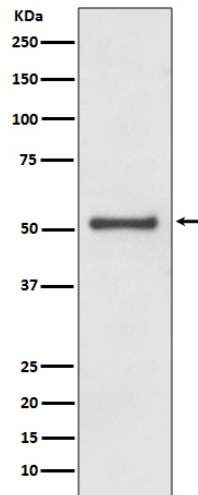
#### TRAF2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TRAF2 Antibody - Images





Western blot analysis of TRAF2 expression in HeLa cell lysate.