

TRAF2 Antibody

Rabbit mAb Catalog # AP90841

Specification

TRAF2 Antibody - Product Information

WB, IHC, FC, ICC, IP Application

Primary Accession 012933 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. 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

Storage Condition and Buffer

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:12917689, PubMed:15383523, PubMed:<a



href="http://www.uniprot.org/citations/18981220" target=" blank">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

TRAF2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRAF2 Antibody - Images



