

Anti-TRAF2 Antibody
Catalog # ABO11314**Specification**

Anti-TRAF2 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	Q12933
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for TNF receptor-associated factor 2 (TRAF2) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TRAF2 Antibody - Additional Information

Gene ID 7186

Other Names

TNF receptor-associated factor 2, 6.3.2.-, E3 ubiquitin-protein ligase TRAF2, Tumor necrosis factor type 2 receptor-associated protein 3, TRAF2, TRAP3

Calculated MW

55859 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

Subcellular Localization

Cytoplasm .

Protein Name

TNF receptor-associated factor 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human TRAF2(305-325aa RQHRLDQDKIEALSSKVQQL), different from the related rat and mouse sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the TNF receptor-associated factor family. A subfamily.

Anti-TRAF2 Antibody - Protein Information

Name TRAF2

Synonyms TRAP3

Function

Regulates activation of NF-kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis (PubMed:22212761). Required for normal antibody isotype switching from IgM to IgG. Has E3 ubiquitin-protein ligase activity and promotes 'Lys- 63'-linked ubiquitination of target proteins, such as BIRC3, RIPK1 and TICAM1. 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. 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. Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR. In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE.

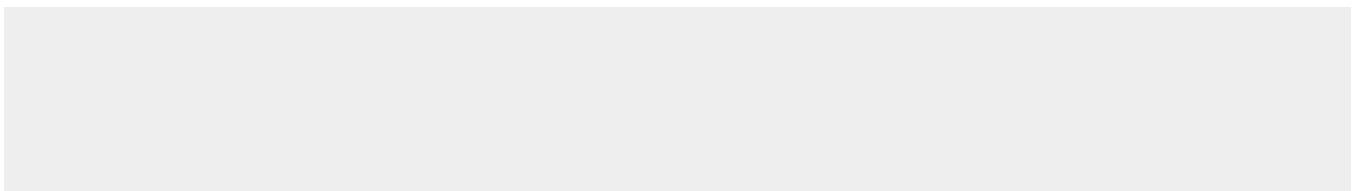
Cellular Location

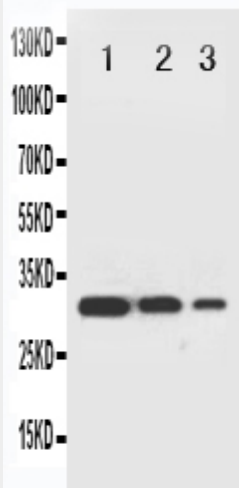
Cytoplasm

Anti-TRAF2 Antibody - Protocols

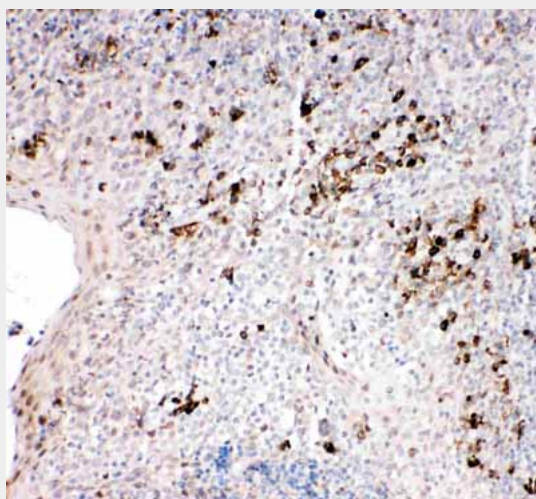
Provided below are standard protocols that you may find useful for product applications.

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

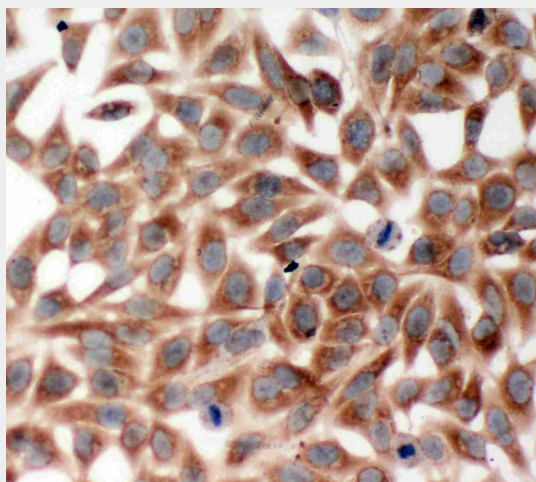
Anti-TRAF2 Antibody - Images



Anti-TRAF2 antibody, ABO11314, Western blotting Recombinant Protein Detection Source: E.coli derived -recombinant Human TRAF2, 30.4KD(162aa tag+ Q261-V369) Lane 1: Recombinant Human TRAF2 Protein 10ng Lane 2: Recombinant Human TRAF2 Protein 5ng Lane 3: Recombinant Human TRAF2 Protein 2.5ng



Anti-TRAF2 antibody, ABO11314, IHC(P) IHC(P): Human Tonsil Tissue



Anti-TRAF2 antibody, ABO11314, ICC ICC: HELA Cell

Anti-TRAF2 Antibody - Background

TRAF2(TNF Receptor-Associated Factor 2), also called TRAF, is a protein that in humans is encoded by the TRAF2 gene. The protein encoded by this gene is a member of the TNF receptor(TNFR) associated factor(TRAF) protein family. TRAF2 is a common signal transducer for TNFR2 and CD40 that mediates activation of NF-kappa-B. Rothe et al.(1996) identified ITRAF, which binds to TRAF1, TRAF2, and TRAF3, and that when overexpressed inhibits TRAF2-mediated NF-kappa-B activation. They proposed that ITRAF is an inhibitor of TRAF function that regulates TRAF protein activity by sequestering TRAFs in a latent state in the cytoplasm. Kanamori et al.(2002) found that mouse Traf2 interacted directly with T2bp, and they presented evidence that T2BP is involved in TNF-mediated signaling by its interaction with TRAF2.