

Datasheet for 600-401-B27S**TRAF2 Antibody****Overview**

Description:	Anti-TRAF2 (RABBIT) Antibody - 600-401-B27S
Item No.:	600-401-B27S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TRAF2, or Tumor Necrosis factor (TNF) Receptor-Associated Factor 2, is an adapter protein and signal transducer that links members of the tumor necrosis factor receptor family to different signaling pathways by association with the receptor cytoplasmic domain and kinases. Association to the receptor is also mediated by the interaction with TRADD. TRAF2 mediates activation of NF-kappa-B and MAPK8/JNK and is involved in apoptosis. TRAF2 forms a heterodimeric complex with TRAF1, which then recruits the inhibitor-of-apoptosis proteins (IAPs), apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2 for the inhibition of caspase activation. In this way it functions as a mediator of the anti-apoptotic signals from TNF receptors. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. TRAF2 may be involved in IL-15 signaling. Multiple alternatively spliced transcript variants exist, but the biological validity of only one transcript has been determined.
Synonyms:	rabbit anti-TRAF2 antibody, E3 ubiquitin-protein ligase TRAF2, RING-type E3 ubiquitin transferase TRAF2, TNF receptor associated factor 2 antibody, TRAF-2, TRAF 2 antibody, TRAP-3, TRAP 3 antibody, TRAP3 antibody, Tumor necrosis factor type 2 receptor associated protein 3 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TRAF2
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Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region human TRAF2.
Purity/Specificity:	This affinity purified antibody is directed against human TRAF2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to react with TRAF2 from human and mouse sources based on a 100% homology with the immunizing sequence. Reactivity with TRAF2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q12933 • NCBI - 22027612 • GeneID - 7186

Application Details

Tested Applications:	ELISA, WB
Application Note:	Rabbit Anti-TRAF2 Antibody has been tested in ELISA and Western Blot. Positive control HeLa Whole Cell lysate (p/n W09-000-364) expect ~47kDa. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:60,000 - 1:250,000
IF:	User Optimized
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.93 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is three (3) months from date of receipt.

Images



Western Blot

Western blot using Rockland's affinity purified anti-TRAF2 antibody shows detection of endogenous TRAF2 at ~47kDa (arrowhead). Lane 1 and 3: molecular weight markers. Lane 2: whole HeLa cell lysates (p/n W09-000-364). The identity of lower molecular weight band in lane 2 is unknown. Lane 4: incubated with immunizing peptide. Briefly, each lane contains approximately 14µg of lysate. Membranes were blocked in 3% BSA-TBS 30 min. at room temperature. Primary antibody was used at a 1:500 dilution in 3% BSA-TBS and reacted overnight at 4°C. The membrane was washed and reacted with a 1:20,000 dilution conjugated Gt-a-Rabbit DyLight 649 (p/n 611-143-122) for 1 hr at room temperature. Molecular weight estimation was made by comparison to prestained MW markers in lanes 1 and 3. Fluorescence image was captured using the VersaDoc® Imaging System developed by Bio-Rad.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.