

Datasheet for 600-401-EZ7**TANK Antibody****Overview**

Description:	Anti-TANK (RABBIT) Antibody - 600-401-EZ7
Item No.:	600-401-EZ7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TANK was initially identified as a novel TRAF-interacting protein that regulated TRAF-mediated signal transduction. Specifically, ligand binding by surface receptors in the tumor necrosis factor (TNF) receptor and Toll/interleukin-1 (IL-1) receptor families lead to the formation of a TRAF/TANK complex that mediates the activation of the transcription factor NF-κB. This activation of NF-κB occurs through an association with the kinases IKKε and TBK1. More recently, it was shown that these proteins can then form a complex with NEMO, a protein that regulates the activity of the IκB complex. This suggests that in addition to the possibility that TBK1 and IKKε activate the IKKs, the association with the IKK complex may help these kinases modulate other functions, such as the transactivation potential of NF-κB proteins. At least two isoforms of TANK are known to exist.
Synonyms:	TANK Antibody, ITRAF, TRAF2, I-TRAF, ITRAF, TRAF family member-associated NF-kappa-B activator, TRAF-interacting protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TANK
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TANK antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the C-terminus of human TANK.
Purity/Specificity:	Anti-TANK Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TANK from other sources has not been determined.
Relevant Links:	• UniProtKB - Q92844 • GeneID - 10010 • NCBI - NP_001186064.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TANK Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:20,000
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	0.5 to 2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

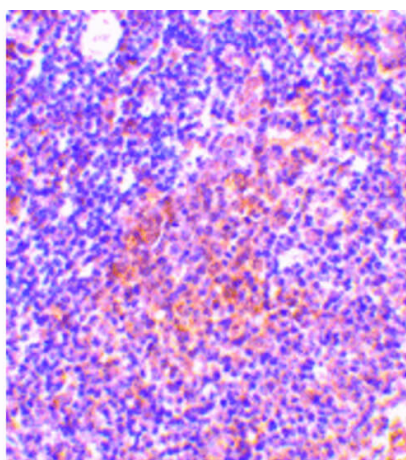
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

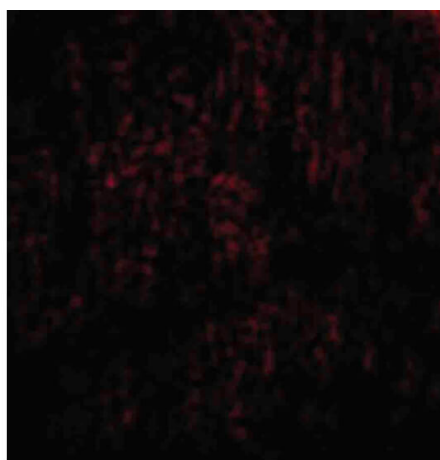
Expiration: Expiration date is one (1) year from date of receipt.

Images



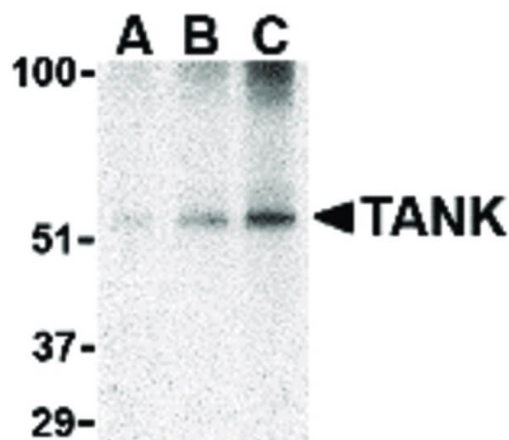
Immunohistochemistry

Immunohistochemistry of TANK antibody. Tissue: rat spleen tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TANK antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TANK is located in the cytoplasm and cell membrane. Staining: TANK is stained with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of TANK antibody. Cell Type: rat spleen cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TANK antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TANK is located in the cytoplasm and cell membrane. Staining: TANK as green fluorescent signal.



Western Blot

Western Blot of TANK antibody in Daudi cell lysate. Lane A: TANK antibody at 0.5 $\mu\text{g/mL}$. Lane B: TANK antibody at 1 $\mu\text{g/mL}$. Lane C: TANK antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: TANK antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 76 kDa, 54 kDa for TANK. Other band(s): TANK splice variants and isoforms.

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.