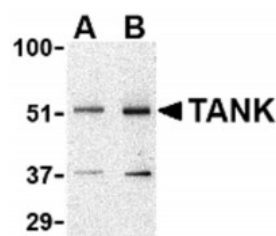


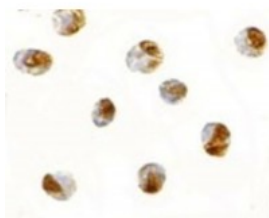


TANK Antibody

CATALOG NUMBER: 3879



Western blot analysis of TANK in Daudi cell lysate with TANK antibody at (A) 0.5 and (B) 1 ug/mL.



Immunocytochemistry of TANK in Daudi cells with TANK antibody at 2.5 ug/mL.

Specifications

SPECIES REACTIVITY:	Human
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Mouse: (79%)
TESTED APPLICATIONS:	ELISA, ICC, WB
APPLICATIONS:	TANK antibody can be used for the detection of TANK by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1224 - Daudi Cell Lysate
IMMUNOGEN:	TANK antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human TANK. The immunogen is located within amino acids 60 - 110 of TANK.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	TANK Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	TANK Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	TANK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	TANK Antibody: ITRAF, TRAF2, I-TRAF, ITRAF, TRAF family member-associated NF-kappa-B activator,
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	TRAF-interacting protein
ACCESSION NO.:	NP_004171
PROTEIN GI NO.:	19743569
OFFICIAL SYMBOL:	TANK
GENE ID:	10010

Background

BACKGROUND: TANK Antibody: 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- κ B. This activation of NF- κ B occurs through an association with the kinases IKK ϵ 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 I κ B complex. This suggests that in addition to the possibility that TBK1 and IKK ϵ activate the IKKs, the association with the IKK complex may help these kinases modulate other functions, such as the transactivation potential of NF- κ B proteins. At least two isoforms of TANK are known to exist.

- REFERENCES:**
- 1) Cheng G and Baltimore D. TANK, a co-inducer with TRAF2 of TNF- and CD40L-mediated NF- κ B activation. *Genes Dev.* 1996; 10:963-73.
 - 2) Rothe M, Xiong J, Shu HB, et al. I-TRAF is a novel TRAF-interacting protein that regulates TRAF-mediated signal transduction. *Proc. Natl. Acad. Sci. USA* 1996; 93:8241-6.
 - 3) Pomerantz JL and Baltimore D. NF- κ B activation by a signaling complex containing TRAF2, TANK and TBK1, a novel IKK-related kinase. *EMBO J.* 1999; 18:6694-704.
 - 4) Chariot A, Leonardi A, Muller J, et al. Association of the adaptor TANK with the I κ B kinase (IKK) regulator NEMO connects IKK complexes with the IKK ϵ and TBK1 kinases. *J. Biol. Chem.* 2002; 277:37029-36

FOR RESEARCH USE ONLY

December 12, 2016