

## Anti-TANK Antibody

Catalog Number: A00445-2

### About TANK

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

### Overview

Product Name	Anti-TANK Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TANK Antibody (Catalog # A00445-2). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TANK Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TANK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q92844

### Technical Details

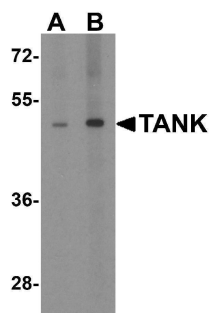
Immunogen	TANK antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human TANK. The immunogen is located within amino acids 350 - 400 of TANK.
Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TANK Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

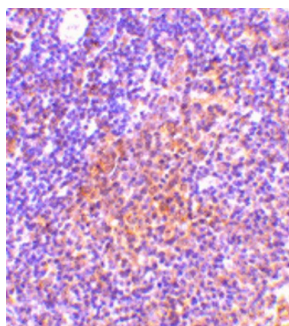
TANK antibody can be used for the detection of TANK by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

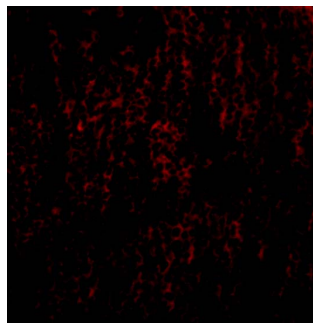
## Anti-TANK Antibody (A00445-2) Images



Western blot analysis of TANK in human kidney tissue lysate with TANK antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TANK in rat spleen tissue with TANK antibody at 10 ug/mL.



Immunofluorescence of TANK in Rat Spleen cells with TANK antibody at 20 ug/mL.

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Anti-TANK Antibody

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