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Product datasheet for TA306341

TANK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TANK antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human TANK.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	lot specific
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TRAF family member associated NFKB activator
Database Link:	NP_004171 Entrez Gene 21353 MouseEntrez Gene 252961 RatEntrez Gene 10010 Human Q92844

View online »

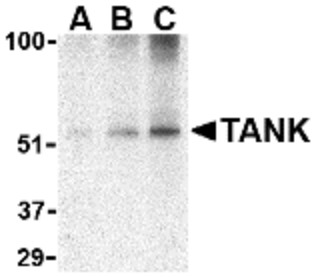
Background: TANK was initially identified as a novel TRAF-interacting protein that regulated TRAF-mediated signal transduction. Specifically, ligand binding by surface receptors in the tumor necrosis factor (TNF) receptor and Toll/interleukin-1 (IL-1) receptor families lead to the formation of a TRAF/TANK complex that mediates the activation of the transcription factor NF-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.

Synonyms: I-TRAF; ITRAF; TRAF2

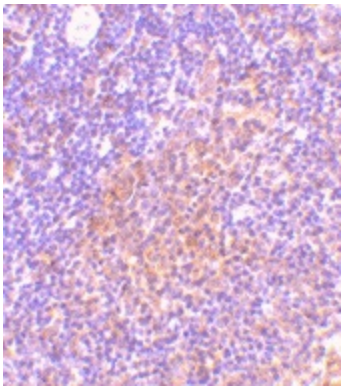
Protein Families: Druggable Genome

Protein Pathways: RIG-I-like receptor signaling pathway

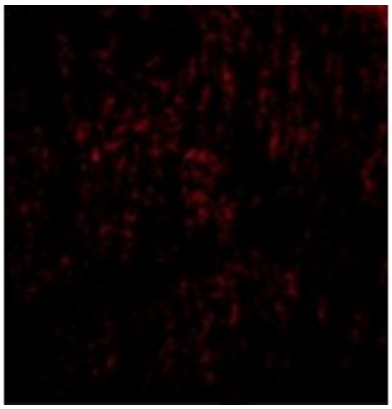
Product images:



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