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TANK Antibody Cell Signaling 0rders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com 2 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit	UniProt ID: #Q92844	Entrez-Gene Id: 10010	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sod 20°C. Do not aliquot th	ium HEPES (pH 7.5 e antibody.	ö), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –	
Specificity/Sensitivity		TANK Antibody detects endogenous levels of total TANK protein. It does not cross react with other TRAF family members.					
Species predicted to react based on 100% sequence homology		Monkey, Bovine, Dog					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser357 of human TANK. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		TRAFs (TNF receptor-as surface receptors and promoting cellular resp "TRAF domain", which terminal Zinc/RING fing their interactions with (TRAF1-6) act as adaptor regulation of cell surviv TRAF-associated NF-kB binding protein that de carboxy domain of the with TNFR2, inhibiting with low levels of TRAF activation of TANK-bino It has also been shown activation (9). TNFα stir negative feedback regu	ssociated factors) a recruit additional p ponses (1-3). Memi mediates interacti- ger motifs. The firs- the cytoplasmic do proteins for a wi val, proliferation, d activator (TANK), a emonstrates both s TRAF1, -2 and -3. (TNFR2 and CD40 in 2 to activate NF-KE ding kinase 1 (TBK) that TANK may sy mulation results in ulation of TANK me	re a family of multifunct proteins to form multipro- pers of the TRAF family sons with associated protect to TRAFs identified, TRAF omain of TNF-receptor 2 de range of cell surface ifferentiation, and stress also known as TRAF-inter- stimulatory and inhibitor Dverexpression of TANK induced NF-κB activation (5). TANK assists in the stimulator which promotect nergize with TRAF2, TRA IKKβ-dependent phosple ediated NF-κB activation	tional adaptor protection signaling com thare a common car eins; many also cor 1 and TRAF2, were f (TNFRII) (4). The six receptors and parti s responses. fracting protein (I-TR ry properties (5,6). T prevents the associ (6). TANK is also rep activation of NF-KB es activation of NF-KB es activation of the F5, and TRAF6 but morylation of TANK of (10).	ins that bind to plexes capable of boxy-terminal itain amino- ound by virtue of known TRAFs cipate in the CAF), is a TRAF ANK binds to the ation of TRAF2 ported to synergize via association and IKK complex (7,8). not TRAF3 in SAPK which may provide	
Background Ref	ferences	1. Arch, R.H. et al. (1998 2. Chung, J.Y. et al. (200 3. Bradley, J.R. and Pob 4. Rothe, M. et al. (1994 5. Cheng, G. and Baltin 6. Rothe, M. et al. (1996 7. Pomerantz, J.L. and B 8. Chariot, A. et al. (200 9. Chin, A.I. et al. (200	8) Genes Dev 12, 2)2) J Cell Sci 115, 67)er, J.S. (2001) Onco 4) Cell 78, 681-92. hore, D. (1996) Ger 5) Proc. Natl. Acad. Baltimore, D. (1999)2) J. Biol. Chem. 27) Mol. Cell. Biol. 19 6) Biochem. J. 394,	821-30. '9-88. <i>igene</i> 20, 6482-91. <i>sci. USA</i> 93, 8241-8846.) <i>EMBO J.</i> 18, 6694-6704 77, 37029-37036. , 6665-6672. 593-603.			
Species Reactiv	ity	Species reactivity is det	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Ke	у	W: Western Blotting IP	: Immunoprecipita	ation			

Cross-Reactivity Key	H: Human M: Mouse R: Rat				
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