TIRAP (D6M9Z) Rabbit mAb



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Applications: W, IP	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 35	Source/Isotype: Rabbit IgG	UniProt ID: #Q99JY1	Entrez-Gene Id: 117149	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage		• •		i), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	ml BSA, 50% glycero	ol and less than	
Specificity/Sensitivity		TIRAP (D6M9Z) Rabbit mAb recognizes endogenous levels of total TIRAP protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro17 of mouse TIRAP protein.					
Background		play a pivotal role in inr pathogens and mediato of NF-κB and subseque the IL-1 receptor family Toll/Interleukin-1 recep cytoplasmic adapter pr (MyD88), MyD88-adapt inducing IFN-β (TRIF), a recruitment and activat IKK (8,11-14). Activatior inactive state by seque: Toll/interleukin-1 recep containing an amino-te protein mediates down dependent TLR2 and TI	nate immune resp e defense respons int regulation of in y share a conserve intor (TIR) domain (oteins containing er-like/TIR-associa ind Toll-receptor-a- tion of IRAK1 and n of IKK leads to th stering it in the cy tor domain-contai erminal PIP2 bindin stream signaling R4 signaling (9,15	mily, named for the clos onses (1-4). TLRs recogn es (5-7). Triggering of th nmune and inflammator d stretch of approximate 1). Upon activation, TLRs TIR domains, including r ited protein (MAL/TIRAP) ssociated molecule (TRA IRAK4, which form a corr te degradation of IkB, wh toplasm. ning adaptor protein (TI ng site and a carboxy-ter from associated toll-like 5-18). TIRAP is recruited t itment of MyD88 to initia	ize conserved motif e TLR pathway leads y genes (4). The TLR ly 200 amino acids associate with a nu nyeloid differentiati , TIR domain-contai M) (8-10). This assoc plex with TRAF6 to nich normally maint RAP, MAL) is a cytop minal TIR domain. T receptors and is ess o the plasma memb	s found in various s to the activation a and members of known as the umber of ion factor 88 ining adapter- ciation leads to the activate TAK1 and ains NF-κB in an plasmic protein This adaptor sential for MyD88- prane by its PIP2	
Background Ref	ferences	1. Akira, S. (2003) <i>J Biol</i> 2. Beutler, B. (2004) <i>Na</i> i 3. Dunne, A. and O'Neil 4. Medzhitov, R. et al. (15 5. Schwandner, R. et al. (15 7. Alexopoulou, L. et al. (19 9. Horng, T. et al. (2001 10. Oshiumi, H. et al. (20 11. Muzio, M. et al. (19 12. Wesche, H. et al. (19 13. Suzuki, N. et al. (2000) <i>J</i> 5. Kagan, J.C. and Mec 16. Fitzgerald, K.A. et al 17. Yamamoto, M. et al. (2000)	Chem 278, 38105- ture 430, 257-63. II, L.A. (2003) <i>Sci 5</i> (1997) <i>Nature</i> 388, (1999) <i>J Biol Chem</i> (2001) <i>Nature</i> 413 (2001) <i>Nat Immunol</i> 2, 8 (303) <i>Nat Immunol</i> 2, 8 (304) <i>Nat Immunol</i> 2, 8 (305) <i>Nat Immunol</i> 2, 8 (305) <i>Nat Immunol</i> 2, 8	8. <i>TKE</i> 2003, re3. 394-7. 1274, 17406-9. 443-51. 3, 732-8. 4, 7611-4. 335-41. /4, 161-7. 12-5. 37-47. 0-6. -4. <i>i</i> []/125, 943-55. 3, 78-83. 0, 324-9.			

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.		
Applications Key	W: Western Blotting IP: Immunoprecipitation		
Cross-Reactivity Key	M: Mouse		
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