Store at -20C

Toll-like Receptor 1 Antibody H. Orders: Support: Web: 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Cell Signaling

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 86	Source/Isotype: Rabbit	UniProt ID: #Q15399	Entrez-Gene Id: 7096	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot t), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –	
Specificity/Sensitivity		Toll-like Receptor 1 Antibody detects endogenous levels of total TLR1 protein.					
Species predicted to react based on 100% sequence homology		Monkey					
Source / Purifica	ation			munizing animals with a 1 TLR1 protein. Antibodio			
Background		play a pivotal role in ir pathogens and media of NF-κB and subsequ the IL-1 receptor fami Toll/Interleukin-1 rece cytoplasmic adapter p (MyD88), MyD88-adap inducing IFN-β (TRIF), recruitment and activa IKK (8,11-14). Activatio inactive state by seque Toll-like receptor expr though TLR1 expressi TLR2 to cooperatively	nate immune resp te defense respons lent regulation of in ly share a conserver ptor (TIR) domain (proteins containing oter-like/TIR-associa and Toll-receptor-a ation of IRAK1 and I on of IKK leads to th estering it in the cyt ession is highest in on may be less rest mediate immune re	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 ted protein (MAL/TIRAP) ssociated molecule (TRA RAK4, which form a con e degradation of IkB, wl oplasm. peripheral blood leukoc ricted than other family sponses to bacterial lip R6, which shares 69% se	ize conserved moti e TLR pathway lead y genes (4). The TLF ely 200 amino acids associate with a nu nyeloid differentiat), TIR domain-conta M) (8-10). This asso nplex with TRAF6 to nich normally maint ytes, monocytes, m members (4,5). TLR oproteins and lead	fs found in various Is to the activation Rs and members of known as the umber of ion factor 88 ining adapter- ociation leads to the activate TAK1 and tains NF-κB in an hacrophages, t1 associates with to NF-κB activation	
Background Ref	ferences	1. Akira, S. (2003) <i>J Bio</i> 2. Beutler, B. (2004) <i>N</i> , 3. Dunne, A. and O'Ne 4. Medzhitov, R. et al. 5. Schwandner, R. et a 6. Takeuchi, O. et al. (17 7. Alexopoulou, L. et a 8. Zhang, F.X. et al. (19 9. Horng, T. et al. (200 10. Oshiumi, H. et al. (200 10. Oshiumi, H. et al. (19 12. Wesche, H. et al. (19 13. Suzuki, N. et al. (200 14. Irie, T. et al. (200) 15. Muzio, M. et al. (200) 16. Muzio, M. et al. (200) 17. Muzio, M. et al. (200) 18. Muzio, M. et al. (200) 19. Muzio, M	ature 430, 257-63. sill, L.A. (2003) <i>Sci 57</i> (1997) <i>Nature</i> 388, 3 l. (1999) <i>J Biol Chem</i> 1999) <i>Immunity</i> 11, 4 10, 12001) <i>Nature</i> 413 2099) <i>J Biol Chem</i> 274 10) <i>Nat Immunol</i> 2, 8 2003) <i>Nature</i> 416, 756 <i>FEBS Lett</i> 467, 160- 2003) <i>Immunology</i> (2002) <i>J Immunol</i> 16 2003) <i>J Cell Biol</i> 162, 1	7KE 2003, re3. 394-7. 274, 17406-9. 443-51. 3, 732-8. , 7611-4. 335-41. 4, 161-7. 12-5. 37-47. 0-6. 4. 7, 450-6. 108, 10-5. 39, 10-4. 099-110.			

Species Reactivity	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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	W: Western Blotting				
Cross-Reactivity Key	H: Human				
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