Toll-like Receptor 2 Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: R W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 90-105	Source/Isotype: Rabbit	UniProt ID: #O60603	Entrez-Gene Id: 7097
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Toll-like Receptor 2 Antibody detects endogenous levels of total TLR2 protein. Cross reactivity was not detected with other family members at physiological conditions.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu179 of human TLR2 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		play a pivotal role in ir pathogens and media of NF-κB and subsequ the IL-1 receptor famil Toll/Interleukin-1 rece cytoplasmic adapter p (MyD88), MyD88-adap inducing IFN-β (TRIF), recruitment and activa	nate immune resp te defense respons ent regulation of in y share a conserve ptor (TIR) domain (roteins containing ter-like/TIR-associa and Toll-receptor-a ation of IRAK1 and n of IKK leads to th	mily, named for the closenses (1-4). TLRs recognes (5-7). Triggering of the nune and inflammator distretch of approximate (1). Upon activation, TLRs TIR domains, including the protein (MAL/TIRAP) associated molecule (TRAF) (RAK4, which form a cone degradation of IkB, who coplasm.	ize conserved moti e TLR pathway leac ry genes (4). The TLI ely 200 amino acids associate with a no myeloid differentiat), TIR domain-conta M) (8-10). This asso nplex with TRAF6 to	fs found in various ls to the activation Rs and members of known as the umber of ion factor 88 ining adapter- iciation leads to the activate TAK1 and
Background Refer	ences	1. Akira, S. (2003) <i>J Biol Chem</i> 278, 38105-8. 2. Beutler, B. (2004) <i>Nature</i> 430, 257-63. 3. Dunne, A. and O'Neill, L.A. (2003) <i>Sci STKE</i> 2003, re3. 4. Medzhitov, R. et al. (1997) <i>Nature</i> 388, 394-7. 5. Schwandner, R. et al. (1999) <i>J Biol Chem</i> 274, 17406-9. 6. Takeuchi, O. et al. (1999) <i>Immunity</i> 11, 443-51. 7. Alexopoulou, L. et al. (2001) <i>Nature</i> 413, 732-8. 8. Zhang, F.X. et al. (1999) <i>J Biol Chem</i> 274, 7611-4. 9. Horng, T. et al. (2001) <i>Nat Immunol</i> 2, 835-41. 10. Oshiumi, H. et al. (2003) <i>Nat Immunol</i> 4, 161-7. 11. Muzio, M. et al. (1997) <i>Science</i> 278, 1612-5. 12. Wesche, H. et al. (1997) <i>Immunity</i> 7, 837-47. 13. Suzuki, N. et al. (2002) <i>Nature</i> 416, 750-6. 14. Irie, T. et al. (2000) <i>FEBS Lett</i> 467, 160-4.				

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 Mk: Monkey

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