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## Image: Note of the state o

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

Applications: W	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 33	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q9H0E2	Entrez-Gene Id: 54472
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM soo 20°C. Do not aliquot tl		5), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	vcerol. Store at –
Specificity/Sensitivity		Tollip Antibody detects endogenous levels of total Tollip protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding cysteine 229 of human Tollip. 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 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 Tollip (Toll interacting and recruited to IL1-R signaling (4). Tollip als through inhibition of I	nate immune resp te defense respons ent regulation of ir ly share a conserve ptor (TIR) domain ( proteins containing oter-like/TIR-associa and Toll-receptor-a ation of IRAK1 and on of IKK leads to the estering it in the cy protein) is an adap following IL-1 stim o associates directl IRAK (5). Studies of	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 con te degradation of IkB, wh toplasm. tor protein discovered to ulation (4). Overexpressi y with TLR2 and TLR4 an Tollip deficient mice sug esponse to IL-1 and LPS	ize conserved motii 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 o be associated with on of Tollip results i d inhibits TLR-medi gest that it plays a r	s found in various s to the activation Rs 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 the IRAK complex n impaired NF-κB ated signaling
Background R	eferences	1. Akira, S. (2003) <i>J Bio</i> 2. Beutler, B. (2004) <i>Na</i> 3. Dunne, A. and O'Ne 4. Medzhitov, R. et al. ( 5. Schwandner, R. et al. 6. Takeuchi, O. et al. (1 7. Alexopoulou, L. et a 8. Zhang, F.X. et al. (200 10. Oshiumi, H. et al. (200 10. Oshiumi, H. et al. (201 11. Muzio, M. et al. (21 13. Suzuki, N. et al. (200) 15. Burns, K. et al. (200) 16. Zhang, G. and Gho	ature 430, 257-63. iill, L.A. (2003) <i>Sci S</i> (1997) <i>Nature</i> 388, I. (1999) <i>J Biol Chem</i> 999) <i>Immunity</i> 11, I. (2001) <i>Nature</i> 413 999) <i>J Biol Chem</i> 274 1) <i>Nat Immunol</i> 2, 5 997) <i>Science</i> 278, 16 997) <i>Science</i> 278, 16 1997) <i>Immunity</i> 7, 8 202) <i>Nature</i> 416, 75 <i>FEBS Lett</i> 467, 160 00) <i>Nat. Cell Biol.</i> 2, psh, S. (2002) <i>J. Biol.</i>	TKE 2003, re3. 394-7. 1274, 17406-9. 443-51. 3, 732-8. 4, 7611-4. 335-41. 14, 161-7. 112-5. 337-47. 0-6. -4. 346-351. Chem. 277, 7059-7065.		
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For west		membrane with diluted	primary antibody ir	1 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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