IRAK2 Antibody				
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#4367	Web:	info@cellsignal.com cellsignal.com		
	3 Trask Lane Danvers Massachusetts 01923 USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 62	Source/Isotype: Rabbit	UniProt ID: #O43187	Entrez-Gene Id: 3656	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sens	itivity	IRAK2 Antibody detects endogeneous levels of total IRAK2 protein. Cross-reactivity was not detected with other family members.					
Source / Purifica	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxy terminus of mouse IRAK2. Antibodies were purified by protein A and peptide affinity chromatography.					
Background		coprecipitated in an I molecules contains for receptor type I (IL-1R) (2). IRAK undergoes a IRAK dissociation fror bound proteins: TAB2 cytoplasm where it ac kinases (3). Unlike IRAK1 and IRA	L-1-inducible mann bur members (IRAK I) initiates the form autophosphorylation m the IL-1RI comple 2 and TRAF6. The re- ctivates protein kina K4, IRAK2 and IRAK nen overexpressed (inase (IRAK) is a serine/t er with the IL-1 receptor I, IRAK2, IRAK3/IRAK-M, ation of a complex that in n shortly after IL-1 stimu x, its ubiquitination, and sulting IRAK-TRAF6-TAB2 use cascades, including T -M do not have significan 4,5). Antisense oligonuc	(1). The mammalia and IRAK4). The bir ncludes IL-1RI, AcP, lation. The subsequ l its association with complex is then re AK1, IKKs, and the nt kinase activity all	n family of IRAK nding of IL-1 to IL-1 MyD88, and IRAKs uent events involve n two membrane- leased into the stress-activated though they can	
Background Ref	erences	1. Dinarello, C.A. (1996) <i>Blood</i> 87, 2095-147. 2. Takaesu, G. et al. (2001) <i>Mol Cell Biol</i> 21, 2475-84. 3. Janssens, S. and Beyaert, R. (2003) <i>Mol Cell</i> 11, 293-302. 4. Wesche, H. et al. (1999) <i>J Biol Chem</i> 274, 19403-10. 5. Muzio, M. et al. (1997) <i>Science</i> 278, 1612-5. 6. Guo, F. et al. (1999) <i>Inflammation</i> 23, 535-43.					
Species Reactivi	ty	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Bu	Iffer	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	y	W: Western Blotting					
Cross-Reactivity	v Кеу	H: Human M: Mouse	R: Rat Mk: Monkey				
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