e at -20C	IRAK1 Antibody				
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
59		Support:	877-678-TECH (8324)		
<i>‡</i> 4359		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA		

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

Applications: WB, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 78-105	Source: Rabbit	UniProt ID: #P51617	Entrez-Gene Id: 3654		
Product Usage Information	We	plication estern Blotting				Dilution 1:1000		
Storage	Sup	Immunofluorescence (Immunocytochemistry) 1:50 Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –						
Specificity / Sens	itivity IRA	20°C. Do not aliquot the antibody. IRAK1 Antibody detects endogenous levels of total IRAK1 protein. No cross reactivity was detected with other family members at physiological conditions.						
Source / Purificat	resi	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding glycine 696 of human IRAK1. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	cop mol rece (2). IRA bou cyto	Interleukin-1 (IL-1) receptor-associated kinase (IRAK) is a serine/threonine-specific kinase that can be coprecipitated in an IL-1-inducible manner with the IL-1 receptor (1). The mammalian family of IRAK molecules contains four members (IRAK1, IRAK2, IRAK3/IRAK-M, and IRAK4). The binding of IL-1 to IL-1 receptor type I (IL-1RI) initiates the formation of a complex that includes IL-1RI, AcP, MyD88, and IRAKs (2). IRAK undergoes autophosphorylation shortly after IL-1 stimulation. The subsequent events involve IRAK dissociation from the IL-1RI complex, its ubiquitination, and its association with two membrane-bound proteins: TAB2 and TRAF6. The resulting IRAK-TRAF6-TAB2 complex is then released into the cytoplasm where it activates protein kinase cascades, including TAK1, IKKs, and the stress-activated kinases (3).						
Background Refe	2. T	inarello, C.A. (1996) akaesu, G. et al. (20 anssens, S. and Bey	01) Mol Cell Biol 2	1, 2475-84.				
Species Reactivit	t y Spec	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., w	estern blot).		
Western Blot Buf		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	WB	: Western Blotting IF	-IC: Immunofluore:	scence (Immunocyte	ochemistry)			
Cross-Reactivity	X: X:	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 						
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Limited Uses	follov cond	wing terms apply to I litions that are in add	Products provided I dition to, or different	by CST, its affiliates t from, those contain	egally authorized repres or its distributors. Any C ned herein, unless sepa ed and are of no force o	Customer's terms and rately accepted in		
	appr	oved, cleared, or lice	ensed by the FDA o	or other regulatory fo	beling statement and h preign or domestic entity peutic purpose, or other	, for any purpose.		

IRAK1 Antibody (#4359) Datasheet Without Images Cell Signaling Technology

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