Revision 3		
Phospho-Jak2 (Tyr1007/1008) Antibody	C C	ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support:	877-678-TECH (8324)
	Web:	info@cellsignal.com cellsignal.com
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Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 125	Source/Isotype: Rabbit	UniProt ID: #O60674	Entrez-Gene Id 3717		
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50			
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/Sensitivity		Phospho-Jak2 (Tyr1007/1008) Antibody detects endogenous levels of Jak2 only when phosphorylated at Tyr1007/1008. This antibody may cross-react with phospho-Jak1 and phospho-Tyk2.						
Species predicted based on 100% so homology		Rat, Bovine						
Source / Purifica	tion		dues surrounding T	munizing animals with yr1007/1008 of human raphy.				
Background		binding to a number of proteins become auto binding sites for signa	of associated cytoki phosphorylated an ling proteins. Thes rates (4), and focal	kinases (Jak1, Jak2, Jak3, ne receptors (1). Upon c d phosphorylate their a e associated signaling p adhesion kinase (FAK) (5	ytokine receptor ac ssociated receptors roteins, such as Sta	tivation, Jak to provide multiple ts (2), Shc (3),		
		The tyrosine residues 1007/1008 of Jak2 in the putative activation loop are the homologous tyrosine residues 1054/1055 in Tyk2, which are important in the regulation of Tyk2 kinase activity (6).						
Background Refe	erences	 Leonard, W.J. and O'Shea, J.J. (1998) Annu Rev Immunol 16, 293-322. Darnell, J.E. (1997) Science 277, 1630-5. VanderKuur, J. et al. (1995) J Biol Chem 270, 7587-93. Argetsinger, L.S. et al. (1995) J Biol Chem 270, 14685-92. Zhu, T. et al. (1998) J Biol Chem 273, 10682-9. Gauzzi, M.C. et al. (1996) J. Biol. Chem. 271, 20494-20500. 						
Species Reactivit	у	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bui	ffer	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 I	P: Immunoprecipita	ation				
Cross-Reactivity	Key	H: Human M: Mouse						
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