e at -20C	Pim-1 Antibody		ell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
2		Support:	877-678-TECH (8324)
<u>1007</u>		Web:	info@cellsignal.com cellsignal.com
#2		3 Trask Lane Danvers Mas	sachusetts 01923 USA

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 34, 44	Source/Isotype: Rabbit	UniProt ID: #P11309	Entrez-Gene Id: 5292		
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. Sto 20°C. Do not aliquot the antibody.				ycerol. Store at –		
Specificity/Sensitivity		Pim-1 Antibody recognizes endogenous levels of total Pim-1 protein. This antibody does not cross-react with other Pim proteins.						
Species predict based on 100% homology	ed to react sequence	Monkey						
Source / Purific	cation	Polyclonal antibodies residues at the carboy affinity chromatograp	are produced by im (y terminus of hum (hy.	nmunizing animals with a an Pim-1. Antibodies we	a synthetic peptide re purified by prote	corresponding to in A and peptide		
Background		Pim proteins (Pim-1, F serine/threonine kina of mitogenic signals a cooperates with c-Myd withdrawal and genot activity of c-Myb throu phosphorylation of th found in B-cell diffuse following IL-6 stimular have been identified; phosphorylation rever The corresponding pin sites. Both larger 44 k stability (13).	Pim-2 and Pim-3) ar se highly expressed and is rapidly induce c in lymphoid cell tr coxic stress-induced ugh direct phospho e transcriptional co large cell lymphon tion and correlates Bad is phosphoryla rses Bad-induced co m-1 gene encodes Da (Pim-1L) and sm	e oncogene-encoded set i in hematopoietic cells, ed by a variety of growth ansformation and prote l apoptosis (5,6). Pim-1 a rylation within the c-Myl activator p100 (7,8). Hyp has (9). Phosphorylation with an increase in Pim- ted by both Pim-1 and P ell apoptosis (11,12). a pair of proteins throug haller 33 kDa (Pim-1S) pro-	rine/threonine kina: plays a critical role factors and cytokin cts cells from grown lso enhances the tr o DNA binding dom permutations of the of Pim-1 at Tyr218 1 activity (10). Vario im-2 at Ser112 and h use of different tr oteins are active kin	ses (1). Pim-1, a in the transduction nes (1-4). Pim-1 th factor anscriptional ain as well as Pim-1 gene are by Etk occurs tus Pim substrates this ranslation initiation mases, but differ in		
Background Re	eferences	1. Mikkers, H. et al. (20 2. Selten, G. et al. (198 3. Meeker, T.C. et al. (198 5. Möröy, T. et al. (199 6. Lilly, M. and Kraft, A 7. Leverson, J.D. et al. 8. Winn, L.M. et al. (200 9. Pasqualucci, L. et al 10. Kim, O. et al. (2004 11. Aho, T.L. et al. (2003 13. Saris, C.J. et al. (19	004) <i>Mol Cell Biol</i> 24 36) <i>Cell</i> 46, 603-11. 987) <i>J Cell Biochem</i> 88) <i>J Biol Chem</i> 263, 3) <i>Proc Natl Acad</i> S 4. (1997) <i>Cancer Res</i> (1998) <i>Mol Cell</i> 2, 4 (1998) <i>Mol Cell</i> 2, 4 (1998) <i>Mol Cell</i> 2, 4 (1993) <i>Cell Cycle</i> 2, 25 (1993) <i>Cell Cycle</i> 2, 25 (1993) <i>Cell Cycle</i> 2, 25 (1993) <i>Cell Cycle</i> 2, 1 (1993) <i>Cell Cycle</i> 2, 1 (1993) <i>Addrew</i> 2, 1 (1993) <i>J Chem</i> 278, 4 (1994) <i>EMBO J</i> 10, 655	4, 6104-15. 9 35, 105-12. 17615-20. <i>ci USA</i> 90, 10734-8. 57, 5348-55. 17-25. 3-62. , 341-6. 38-44. 3-9. 5358-67. -64.				
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle	membrane with diluted shaking, overnight.	primary antibody i	ר 5% w/v BSA, 1X		
Applications K	ey	W: Western Blotting						

Cross-Reactivity Key	H: Human			
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