Revision 6

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Cell Signaling #2907 Store at -20C **Pim-1 Antibody** H. Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) info@cellsignal.com cellsignal.com Web:

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

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 soo 20°C. Do not aliquot th), 150 mM NaCl, 100 μg/	ml BSA and 50% gly	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 predicted to react based on 100% sequence homology		Monkey					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxy terminus of human Pim-1. Antibodies were purified by protein A and peptide affinity chromatography.					
Background		serine/threonine kinas of mitogenic signals a cooperates with c-Myc withdrawal and genot activity of c-Myb throu phosphorylation of the found in B-cell diffuse following IL-6 stimulat have been identified; I phosphorylation rever The corresponding pir	se highly expressed nd is rapidly induce : in lymphoid cell tra oxic stress-induced igh direct phosphor e transcriptional co- large cell lymphom cion and correlates Bad is phosphorylat ses Bad-induced ce n-1 gene encodes a	e oncogene-encoded ser in hematopoietic cells, p d by a variety of growth ansformation and protect apoptosis (5,6). Pim-1 al ylation within the c-Myb activator p100 (7,8). Hyp as (9). Phosphorylation with an increase in Pim- with an increase in Pim- ied by both Pim-1 and Pi Il apoptosis (11,12). pair of proteins throug aller 33 kDa (Pim-1S) pro	blays a critical role i factors and cytokin ets cells from growt so enhances the tra- DNA binding doma ermutations of the of Pim-1 at Tyr218 k I activity (10). Vario m-2 at Ser112 and n use of different tr	n the transduction les (1-4). Pim-1 h factor anscriptional ain as well as Pim-1 gene are by Etk occurs us Pim substrates this anslation initiation	
Background Re	ferences	1. Mikkers, H. et al. (20 2. Selten, G. et al. (198 3. Meeker, T.C. et al. (1 4. Dautry, F. et al. (198 5. Möröy, T. et al. (199 6. Lilly, M. and Kraft, A 7. Leverson, J.D. et al. (20 9. Pasqualucci, L. et al. 10. Kim, O. et al. (2004 11. Aho, T.L. et al. (2003) 12. Yan, B. et al. (2003) 13. Saris, C.J. et al. (199	6) <i>Cell</i> 46, 603-11. 987) <i>J Cell Biochem</i> 8) <i>J Biol Chem</i> 263, 3) <i>Proc Natl Acad So</i> . (1997) <i>Cancer Res</i> (1998) <i>Mol Cell</i> 2, 41 03) <i>Cell Cycle</i> 2, 258 . (2001) <i>Nature</i> 412, .) <i>Oncogene</i> 23, 183 (4) <i>FEBS Lett</i> 571, 43) <i>J Biol Chem</i> 278, 49	35, 105-12. 17615-20. <i>ii USA</i> 90, 10734-8. 57, 5348-55. 7-25. -62. 341-6. 8-44. 3-9. 5358-67.			
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ir	ז 5% w/v BSA, 1X	
Applications Key		W: Western Blotting					

Cross-Reactivity Key	H: Human		
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