## Pim-2 (D1D2) Rabbit mAb





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Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 40, 38, 34	Source/Isotype: Rabbit	UniProt ID: #Q9P1W9	Entrez-Gene Id: 11040
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sens	itivity	Pim-2 (D1D2) Rabbit mAb detects endogenous levels of total Pim-2 protein. The antibody does not cross-react with other Pim family members.			oody does not	
Source / Purifica	ation	Monoclonal antibody is residues surrounding C		nunizing animals with a s Pim-2.	synthetic peptide co	prresponding to
Background		serine/threonine kinase of mitogenic signals an cooperates with c-Myc withdrawal and genoto activity of c-Myb throug phosphorylation of the found in B-cell diffuse I following IL-6 stimulati have been identified; B phosphorylation revers Pim-2 is highly homolo can be generated from resistance to a variety of	e highly expressed in lymphoid cell tra- oxic stress-induced gh direct phosphor transcriptional co large cell lymphom ion and correlates ad is phosphorylar ses Bad-induced ce gous to Pim-1 with a alternative start s of apoptotic stimul	e oncogene-encoded ser l in hematopoietic cells, ed by a variety of growth ansformation and protee apoptosis (5,6). Pim-1 a rylation within the c-Myk activator p100 (7,8). Hyp has (9). Phosphorylation with an increase in Pim- ted by both Pim-1 and Pi ell apoptosis (11,12). In similar oncogenic func- ites which run at 34, 38, li and its expression is ne m-2 have also been obse	plays a critical role i factors and cytokir cts cells from growt lso enhances the tr DNA binding dom ermutations of the of Pim-1 at Tyr218 l 1 activity (10). Vario im-2 at Ser112 and tions (13,14). Three and 40 kDa (13). Pin egatively regulated	in the transduction hes (1-4). Pim-1 th factor anscriptional ain as well as Pim-1 gene are by Etk occurs us Pim substrates this isoforms of Pim-2 m-2 leads to by growth factor
Background Ref	ferences	<ol> <li>Mikkers, H. et al. (200</li> <li>Selten, G. et al. (1986</li> <li>Meeker, T.C. et al. (198</li> <li>Dautry, F. et al. (1988</li> <li>Möröy, T. et al. (1993</li> <li>Lilly, M. and Kraft, A.</li> <li>Leverson, J.D. et al. (200</li> <li>Pasqualucci, L. et al.</li> <li>Kim, O. et al. (2004)</li> <li>Aho, T.L. et al. (2004)</li> <li>Aho, T.L. et al. (2003)</li> <li>van der Lugt, N.M. et al. (1</li> <li>Fox, C.J. et al. (2003)</li> <li>White, E. (2003)</li> <li>White, E. (2003)</li> <li>White, E. (2003)</li> <li>Boy, A.M. et al. (2003)</li> </ol>	5) <i>Cell</i> 46, 603-11. 987) <i>J Cell Biochem</i> 8) <i>J Biol Chem</i> 263, 9) <i>Proc Natl Acad So</i> (1997) <i>Cancer Res</i> 1998) <i>Mol Cell</i> 2, 4' 9) <i>Cell Cycle</i> 2, 258 (2001) <i>Nature</i> 412, 9) <i>Cell Cycle</i> 2, 258 (2001) <i>Nature</i> 412, 9) <i>Cell Cycle</i> 2, 184 9) <i>FEBS Lett</i> 571, 4' <i>J Biol Chem</i> 278, 4 <i>J Biol </i>	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. <i>J</i> 14, 2536-44. 3-8. 441-54. <i>oma</i> 45, 951-5.		
Species Reactiv	ity	Species reactivity is det	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bu	ıffer	IMPORTANT: For weste		membrane with diluted	primary antibody ir	n 5% w/v BSA, 1X

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween<sup>®</sup> 20 at 4°C with gentle shaking, overnight.

Applications Key	W: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: Human
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