PZR Antibody		ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
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#4157	Web:	info@cellsignal.com cellsignal.com
	3 Trask Lane Danvers Mas	sachusetts 01923 USA
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Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 30-50	Source/Isotype: Rabbit	UniProt ID: #O95297	Entrez-Gene Id 9019		
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		PZR Antibody detects endogenous levels of total PZR protein.						
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the N terminus of human PZR. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		phosphatase SHP-2 thr (1,2). PZR is phosphory inhibits PZR phosphory PZRa, and PZRb; both F important role in cell si contacts and intracellu a cell adhesion protein	rough its intracellu lated by c-Src, c-Fy vlation (4,5). There PZRa and PZRb lack gnaling via c-Src (4 lar granules in BAI that may be invol- sine phosphorylat	lobulin superfamily prot lar immunoreceptor tyr n, c-Lyn, Csk, and c-Abl (are three alternatively s < ITIMs (6,7). PZR is the r 4). PZR is expressed in m ECs and mesothelioma (l ved in SHP-2-dependent ion of PZR was observed	osine-based inhibit 3). PP1, a Src family pliced isoforms, de nain receptor of Co any cell types and i REN) cells. PZR has signaling at interer	ory motifs (ITIMs) / kinase inhibitor, signated as PZR, nA and has an is localized to cell been implicated as ndothelial cell		
Background References 1. Zhao, Z.J. and Zhao, R. (1998) J Biol Chem 273, 29367-72. 2. Zhao, R. and Zhao, Z.J. (2000) J Biol Chem 275, 5453-9. 3. Kusano, K. et al. Endothelium 15, 127-36. 4. Zhao, R. et al. (2002) J Biol Chem 277, 7882-8. 5. Zhao, R. et al. (2003) J Biol Chem 278, 42893-8. 6. Zannettino, A.C. et al. (2003) Biochem J 370, 537-49. 7. Zhao, R. and Zhao, Z.J. (2003) Biochem Biophys Res Commun 303, 1028-33. 8. Eminaga, S. and Bennett, A.M. (2008) J Biol Chem 283, 15328-38.								
Species Reactiv	vity	Species reactivity is def	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	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 Ke	ey.	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivit	y Key	H: Human Mk: Monkey						
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