PIAS1 (D33A7) XP[®] Rabbit mAb





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Applications: W, IF-IC, FC-FP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 76	Source/Isotype: Rabbit IgG	UniProt ID: #075925	Entrez-Gene Id: 8554	
Product Usage Information	•	Application Western Blotting Immunofluorescence Flow Cytometry (Fixed		nistry)	1 1	Dilution :1000 :50 - 1:200 :50 - 1:200	
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.					
				rsion of this product see	-		
Specificity/Sensitivity		PIAS1 (D33A7) XP [®] Rabbit mAb detects endogenous levels of total PIAS1 protein.					
Source / Purifi	cation	Monoclonal antibody residues surrounding		nunizing animals with a s PIAS1.	synthetic peptide c	orresponding to	
Background		were originally charace (1,2). PIAS1, PIAS3, ar Deletion of PIAS1 lead infection (4). The PIAS small ubiquitin-relate substrate proteins (5, activity of transcription 4 (10), and Smads (11 methylation. Inflamm is required for its activity	cterized based on t ad PIASx interact wi ds to inhibition of ir family contains a d modifier (SUMO) 6). Numerous studi on factors through (,12). The activity of hatory stimuli can ir vity (13). In addition	AS) proteins, which inclu heir interaction with the th and repress Stat1, Stanterferon-inducible gener conserved RING domain ligase, coupling the SUM es have now shown that distinct mechanisms, incl PIAS1 is regulated by bo nduce IKK-mediated phos n, PRMT1 induces arginin sociated with its repressiv	Stat family of trans t3, and Stat4, respe s and increased pro that has been linke O conjugating enz PIAS family memb uding NF-κB (7,8), of th phosphorylation sphorylation of PIA e methylation of PIA	cription factors ectively (1-3). otection against ed to a function as a yme Ubc9 with its ers can regulate the c-Jun, p53 (5,9), Oct- and arginine S1 at Ser90, which IAS1 at Arg303	
Background R	eferences	6. Kotaja, N. et al. (200 7. Liu, B. et al. (2005) 8. Tahk, S. et al. (2007 9. Bischof, O. et al. (20 10. Tolkunova, E. et al 11. Long, J. et al. (200-	1997) <i>Science</i> 278, 1 3) <i>J Biol Chem</i> 278, 3 <i>Nat Immunol</i> 5, 89 3) <i>Iler, S. (2002) Proc.</i> 30 3) <i>Mol Cell Biol</i> 22, 10 3) <i>Proc Natl Acad Sc</i> 3) <i>Ofo) Mol Cell</i> 22, 78 4) <i>Proc Natl Acad Sc</i> 4) <i>Proc Natl Acad S</i> 5) dEdwards, T. (1992 4) <i>Cell</i> 129, 903-14.	803-5. 21327-30. I-8. Natl Acad Sci USA 99, 287 5222-34. 13-23. <i>i USA</i> 104, 11643-8. 3-94. 74, 1200-12. ci USA 101, 99-104.) Biochem Int 28, 1029-33			
Species Reacti	vity	Species reactivity is d	etermined by testir	ig in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting I (Fixed/Permeabilized)		escence (Immunocytoche	emistry) FC-FP: Flow	w Cytometry	
Cross-Reactivi	ty Key	H: Human M: Mouse	R: Rat Mk: Monkey				

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