## PIAS3 (D5F9) XP<sup>®</sup> Rabbit mAb





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Applications: W, IP, IF-IC	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 65-75	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q9Y6X2	<b>Entrez-Gene Id:</b> 10401
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:100 1:200
Storage				), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	ml BSA, 50% glycei	rol and less than
Specificity/Sen	sitivity	PIAS3 (D5F9) XP <sup>®</sup> Rabb	oit mAb recognizes	endogenous levels of to	tal PIAS3 protein.	
Species predict based on 100% homology		Monkey				
Source / Purific	cation	Monoclonal antibody i residues surrounding		unizing animals with a s IAS3 protein.	synthetic peptide co	prresponding to
Background		were originally charact (1,2). PIAS1, PIAS3, and Deletion of PIAS1 lead infection (4). The PIAS small ubiquitin-related substrate proteins (5,6 activity of transcription 4 (10), and Smads (11, methylation. Inflamma is required for its activ	terized based on th d PIASx interact wit s to inhibition of in family contains a c modifier (SUMO) l b). Numerous studie n factors through d 12). The activity of l atory stimuli can in- ity (13). In addition	AS) proteins, which inclu eir interaction with the S h and repress Stat1, Stat terferon-inducible genes onserved RING domain igase, coupling the SUM as have now shown that istinct mechanisms, incl PIAS1 is regulated by bo duce IKK-mediated phos , PRMT1 induces arginin ociated with its repressiv	Stat family of trans stat family of trans s and increased pro- that has been linke O conjugating enzy PIAS family member uding NF-κB (7,8), of th phosphorylation phorylation of PIA e methylation of PIA	cription factors actively (1-3). tatection against d to a function as a yme Ubc9 with its ers can regulate the c-Jun, p53 (5,9), Oct- and arginine 51 at Ser90, which AS1 at Arg303
Background Re	eferences	<ol> <li>Kotaja, N. et al. (200</li> <li>Liu, B. et al. (2005) Λ</li> <li>Tahk, S. et al. (2007)</li> <li>Bischof, O. et al. (200</li> <li>10. Tolkunova, E. et al.</li> <li>11. Long, J. et al. (2004)</li> </ol>	997) Science 278, 1 ) J Biol Chem 278, 2 lat Immunol 5, 891 ller, S. (2002) Proc N 2) Mol Cell Biol 22, Mol Cell Biol 25, 111 Proc Natl Acad Sci (2007) J Mol Biol 37 ) Proc Natl Acad Sci Edwards, T. (1992) Cell 129, 903-14.	803-5. 1327-30. -8. <i>latl Acad Sci USA</i> 99, 287 5222-34. 3-23. <i>USA</i> 104, 11643-8. -94. 74, 1200-12. <i>i USA</i> 101, 99-104. <i>Biochem Int</i> 28, 1029-37		
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	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	<b>?:</b> Immunoprecipita	tion <b>IF-IC:</b> Immunofluor	escence (Immunoc	ytochemistry)
Cross-Reactivit	су Кеу	H: Human				

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