PIAS3 Antibody		Cell Signaling	
Store at	Orders:	877-616-CELL (2355) orders@cellsignal.com	
7	Support:	877-678-TECH (8324)	
#4164	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane   Danvers   Mas	sachusetts   01923   USA	

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

Applications: WB	<b>Reactivity:</b> H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 65-75	Source: Rabbit	UniProt ID: #Q9Y6X2	Entrez-Gene Id: 10401
Product Usage Information	-	oplication estern Blotting			Dilution 1:1000	
Storage		oplied in 10 mM sodi C. Do not aliquot the		i), 150 mM NaCl, 10	0 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sens	<b>itivity</b> PIA	S3 Antibody detects	endogenous levels	s of total PIAS3 prote	ein.	
Source / Purificat		•		•	n a synthetic peptide cor and peptide affinity chro	
Background	wer PIA PIA PIA (5,6 tran Sma Infla acti	e originally characte S1, PIAS3, and PIA S1 leads to inhibitior S family contains a o ted modifier (SUMO S). Numerous studies iscription factors thro ads (11,12). The act ammatory stimuli car	rized based on the Sx interact with and n of interferon-induconserved RING do b) ligase, coupling the s have now shown bugh distinct mecha ivity of PIAS1 is req n induce IKK-media , PRMT1 induces a	r interaction with the I repress Stat1, Stat cible genes and incr omain that has been ne SUMO conjugatir that PIAS family men anisms, including NF gulated by both phos ted phosphorylation rginine methylation	clude PIAS1, PIAS3, PIA e Stat family of transcript 3, and Stat4, respectivel eased protection agains linked to a function as a ge enzyme Ubc9 with its mbers can regulate the a -kB (7,8), c-Jun, p53 (5, sphorylation and arginine of PIAS1 at Ser90, which of PIAS1 at Arg303 follow . (14).	tion factors (1,2). ly (1-3). Deletion of t infection (4). The a small ubiquitin- substrate proteins activity of .9), Oct-4 (10), and e methylation. ch is required for its
Background Refe	2. C 3. A 4. L 5. S 6. K 7. L 8. T 9. B 10. T 11. L 12. M 13. L 14. V	iu, B. et al. (1998) P. Chung, C.D. et al. (19 vrora, T. et al. (2003) iu, B. et al. (2004) N Schmidt, D. and Mülle (otaja, N. et al. (2002) iu, B. et al. (2005) M ahk, S. et al. (2005) M ahk, S. et al. (2007) olkunova, E. et al. (2004) Aurdoch, R.N. and Er iu, B. et al. (2007) C Veber, S. et al. (2009) Rödel, B. et al. (2000)	<ul> <li>997) Science 278, 1</li> <li>J Biol Chem 278, 2</li> <li>J Biol Chem 278, 2</li> <li>lat Immunol 5, 891-</li> <li>er, S. (2002) Proc N</li> <li>2) Mol Cell Biol 22, 101</li> <li>Cell Biol 25, 111</li> <li>Proc Natl Acad Sci</li> <li>06) Mol Cell 22, 783</li> <li>2007) J Mol Biol 37-</li> <li>Proc Natl Acad Sci</li> <li>dwards, T. (1992) E</li> <li>cell 129, 903-14.</li> <li>Genes Dev 23, 1</li> </ul>	.803-5. 21327-30. 8. <i>Jatl Acad Sci USA</i> 9 5222-34. 3-23. <i>USA</i> 104, 11643-8. 3-94. 4, 1200-12. <i>USA</i> 101, 99-104. <i>Biochem Int</i> 28, 1025 18-32.		
Species Reactivit	<b>y</b> Spec	cies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buf		ORTANT: For wester 6 Tween® 20 at 4°C			d primary antibody in 5%	ó w/v BSA, 1X TBS,
Applications Key	WB	: Western Blotting				

3/23/24, 11:07 AM	PIAS3 Antibody (#4164) Datasheet Without Images Cell Signaling Technology
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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