PIAS3 Antibody			
Store	Orders: 877-616-CELL (2355) orders@cellsignal.com		
	Support: 877-678-TECH (8324)		
#4164	Web: info@cellsignal.com cellsignal.com		
7	3 Trask Lane Danvers Massachusetts 01923 USA		
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 65-75	Source/Isotype: Rabbit	UniProt ID: #Q9Y6X2	Entrez-Gene Id 10401		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
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		PIAS3 Antibody detects endogenous levels of total PIAS3 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to Thr585 of human PIAS3. Antibodies were purified by protein A and peptide affinity chromatography.						
Background		were originally chara (1,2). PIAS1, PIAS3, ar Deletion of PIAS1 lea infection (4). The PIAS small ubiquitin-relate substrate proteins (5, activity of transcriptic 4 (10), and Smads (11 methylation. Inflamm is required for its acti	cterized based on the nd PIASx interact with ds to inhibition of in S family contains a control and modifier (SUMO) (6). Numerous studi on factors through control (12). The activity of thatory stimuli can in ivity (13). In additior	AS) proteins, which inclu- neir interaction with the th and repress Stat1, Stat terferon-inducible generonserved RING domain ligase, coupling the SUM es have now shown that listinct mechanisms, inc PIAS1 is regulated by bo duce IKK-mediated pho- i, PRMT1 induces arginironse	Stat family of trans t3, and Stat4, respe s and increased pro that has been linke IO conjugating enzy PIAS family membe luding NF-κB (7,8), o th phosphorylation sphorylation of PIA memethylation of PIA	cription factors ectively (1-3). otection against d 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 (AS1 at Arg303		
Background Re	eferences	6. Kotaja, N. et al. (20 7. Liu, B. et al. (2005) 8. Tahk, S. et al. (2007 9. Bischof, O. et al. (20 10. Tolkunova, E. et a 11. Long, J. et al. (200	1997) Science 278, 1 3) J Biol Chem 278, 2 Nat Immunol 5, 891 02) Mol Cell Biol 22, Mol Cell Biol 25, 11 7) Proc Natl Acad Sci 006) Mol Cell 22, 78 1. (2007) J Mol Biol 3 04) Proc Natl Acad Sci d Edwards, T. (1992) 7) Cell 129, 903-14. 009) Genes Dev 23, 7	803-5. 21327-30. -8. <i>Vatl Acad Sci USA</i> 99, 287 5222-34. 3-23. <i>USA</i> 104, 11643-8. 3-94. 74, 1200-12. <i>ci USA</i> 101, 99-104. <i>Biochem Int</i> 28, 1029-3				
Species Reactiv	vity	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	Buffer	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 K	ey	W: Western Blotting						
Cross-Reactivit	ty Key	H: Human M: Mouse	R: Rat Mk: Monkey					
Trademarks ar	nd Patents	Cell Signaling Techno	ology is a trademark	of Cell Signaling Techno	logy, Inc.			
		All other trademarks	are the property of	their respective owners	Visit cellsional com	/trademarks for		

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Limited Uses

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.