SOCS3 Antibody	С			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#2923	Web:	info@cellsignal.com cellsignal.com		
#	3 Trask Lane   Danvers   Massachusetts   01923   USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 26	Source/Isotype: Rabbit	<b>UniProt ID:</b> #O14543	Entrez-Gene Id: 9021	
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot t		ö), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –	
Specificity/Sensitivity		SOCS3 Antibody detects endogenous levels of total SOCS3 protein.					
Source / Purificat	tion	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding residues surrounding Lys195 of SOCS3. Antibodies were purified by protein A and peptide affinity chromatography.					
Background		transduction that inhi including the original Each SOCS family mer designated as the SO proliferation, differen Low levels of SOCS3 a levels its expression is and TNF-α (4). SOCS3 negative feedback inh subsequent studies h chemokine receptors lethality with placenta	bit the Jak/Stat path y identified cytokin mber contains a cer CS box. These prote tiation, and immun re observed in lung arapidly induced by uses its SH2 domai hibition. In addition ave described SOCS (7), insulin (8) and co il insufficiency (11).	CS) family members are way (1-3). The SOCS fan e-inducible SH2-contain itral SH2 domain and a c ins are important regula e responses. , spleen and thymus, an a number of factors inc n to bind activated Jaks a to the initially described 3-mediated negative fee ertain pathogens (9,10). SOCS3 signaling has bee ), endotoxic shock (14), v	nily consists of at le ing protein (CIS1), a conserved carboxy- ators of cytokine sig d like other SOCS fa luding interleukins, and their cognate re l inducers of SOCS3 edback inhibition fo SOCS3 deletion res en linked pathologi	ast 8 members as well as SOCS1-7. terminal motif gnaling, amily members , EPO, IFN-γ, CSF eceptors to provide expression, or leptin (5), GH (6), sults in embryonic cally to allergic	
Background References 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<ol> <li>Alexander, W.S. et al.</li> <li>Chen, X.P. et al. (200</li> <li>Hilton, D.J. et al. (199</li> <li>Starr, R. et al. (1997</li> <li>Bjørbaek, C. et al. (1</li> <li>Adams, T.E. et al. (1</li> <li>Soriano, S.F. et al. (2</li> <li>Emanuelli, B. et al. (2</li> <li>Stoiber, D. et al. (201</li> <li>Stoiber, D. et al. (201</li> <li>Roberts, A.W. et al</li> <li>Shouda, T. et al. (201</li> <li>Shouda, T. et al. (201</li> <li>Goren, I. et al. (201</li> <li>Mori, H. et al. (200</li> <li>Howard, J.K. et al.</li> </ol>	<ul> <li>20) <i>Immunity</i> 13, 28</li> <li>298) <i>Proc Natl Acad</i></li> <li>2098) <i>Mol Cell</i> 1, 61</li> <li>2098) <i>J Biol Chem</i> 27</li> <li>2002) <i>J Exp Med</i> 196</li> <li>(2000) <i>J Biol Chem</i> 2</li> <li>299) <i>J Immunol</i> 163,</li> <li>001) <i>J Immunol</i> 164</li> <li>(2001) <i>Proc Natl A</i></li> <li>(2001) <i>Proc Natl A</i></li> <li>(2001) <i>J Clin Invest</i> 10</li> <li>(205) <i>Cell Mol Immunol</i></li> <li>(4) <i>Nat Med</i> 10, 739</li> </ul>	7-90. <i>Sci USA</i> 95, 114-9. 1. 9-25. 3, 1285-7. , 311-21. 75, 15985-91. 2640-7. , 466-72. <i>cad Sci USA</i> 98, 9324-9. <i>i</i> 4. 18, 1781-8. <i>ol</i> 2, 373-7. <i>ol</i> 126, 477-85. -43.			
Species Reactivit	у	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buf	fer	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 Key		W: Western Blotting					

Cross-Reactivity Key H: Human M: Mouse R: Rat

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