e at -20C	SOCS1 (A156) Antibody		ell Signaling снысьодуе		
Stor		Orders:	877-616-CELL (2355) orders@cellsignal.com		
		Support:	877-678-TECH (8324)		
950		Web:	info@cellsignal.com cellsignal.com		
#3		3 Trask Lane Danvers Mass	achusetts 01923 USA		

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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 23	Source/Isotype: Rabbit	UniProt ID: #O15524	Entrez-Gene Id: 8651	
Product Usage Information	9	Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	dium HEPES (pH 7.5 he antibody.	5), 150 mM NaCl, 100 µg	/ml BSA and 50% gl	ycerol. Store at –	
Specificity/Ser	nsitivity	SOCS1 (A156) Antibody detects endogenous levels of total SOCS1 protein.					
Species predic based on 100% homology	ted to react 6 sequence	Dog					
Source / Purifi	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala156 of human SOCS1. Antibodies were purified by protein A and peptide affinity chromatography.					
Background		The suppressor of cytokine signaling (SOCS) family members are negative regulators of cytokine signal transduction that inhibit the Jak/Stat pathway (1-3). The SOCS family consists of at least 8 members including the originally identified cytokine-inducible SH2-containing protein (CIS1), as well as SOCS1-7. Each SOCS family member contains a central SH2 domain and a conserved carboxy-terminal motif designated as the SOCS box. These proteins are important regulators of cytokine signaling, proliferation, differentiation, and immune responses.					
		SOCS1 (suppressor of (Stat-induced Stat inh family member that or activation loop. In add receptors that contrik mediated degradation expression of SOCS1 lymphocyte differenti hematopoietic oncog	cytokine signaling ibitor-1), and TIP3 (lirectly inhibits Jak f dition to inhibiting J pute to innate immu n of proteins within is seen in the thymu ation (4,12). SOCS1 enes (13,14).	1), also known as JAB (Ja Tec-interacting protein 3 amily members through ak/Stat signaling, SOCS' inity (8,9). The SOCS box and outside of the Jak/S us and spleen and it play also functions as a tumo	nus Kinase binding (4-7), is a cytokine interaction within can also negativel of SOCS1 can trigg tat pathway (10,11) s a critical role in T- or suppressor prote	protein), SSI-1 regulated SOCS their kinase y regulate Toll-like er ubiquitin-). The highest -cell activation and in by inhibiting	
Background R	eferences	 Alexander, W.S. et al. Chen, X.P. et al. (20) Hilton, D.J. et al. (19) Starr, R. et al. (1997) Endo, T.A. et al. (1997) Naka, T. et al. (1997) Ohya, K. et al. (1997) Ohya, K. et al. (2002) Davey, G.M. et al. (2010) Davey, G.M. et al. (2011) Kamizono, S. et al Rui, L. et al. (2002) De Sepulveda, P. et al. (2002) Arinee, J.C. et al. (2002) 	II. (1999) <i>J Leukoc B.</i> 200) <i>Immunity</i> 13, 28 208) <i>Proc Natl Acad</i> 2098) <i>Proc Natl Acad</i> 2007) <i>Nature</i> 387, 921 2007) <i>Nature</i> 387, 924-9 2017) <i>J Biol Chem</i> 272, 2 2006) <i>Tissue Antige</i> . 2006) <i>Tissue Antige</i> . 2006) <i>Tissue Antige</i> . 20001) <i>J Biol Chem</i> 277, 42 2009) <i>Cell</i> 98, 609-1 20199) <i>Cell</i> 98, 609-1 2002) <i>Oncogene</i> 21	iol 66, 588-92. i7-90. <i>Sci USA</i> 95, 114-9. 1. -4. 27178-82. 3-91. 75 67, 1-9. 276, 12530-8. 2394-8. 6. 18, 904-15. , 4351-62.			
Species Reacti	vity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot F	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20	tern blots, incubate at 4°C with gentle	membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X	

Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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