SOCS1 (A156) Antibody



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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		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		SOCS1 (A156) Antibody detects endogenous levels of total SOCS1 protein.				
Species predicted to react based on 100% sequence homology		Dog				
Source / Purification		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		transduction that inhi including the original Each SOCS family med designated as the SOC proliferation, differen SOCS1 (suppressor of (Stat-induced Stat inh	bit the Jak/Stat patl ly identified cytokin mber contains a cer CS box. These prote tiation, and immun cytokine signaling ibitor-1), and TIP3 (1), also known as JAB (Ja Tec-interacting protein 3	nily consists of at le ing protein (CIS1), a conserved carboxy- ators of cytokine sig anus Kinase binding () (4-7), is a cytokine	ast 8 members as well as SOCS1-7. terminal motif gnaling, protein), SSI-1 -regulated SOCS
		activation loop. In add receptors that contrib mediated degradation expression of SOCS1 i	dition to inhibiting Joute to innate immun of proteins within seen in the thymuation (4,12). SOCS1	amily members through ak/Stat signaling, SOCS1 unity (8,9). The SOCS box and outside of the Jak/Sus and spleen and it play also functions as a tumo	can also negativel of SOCS1 can trigg stat pathway (10,11) s a critical role in T-	y regulate Toll-like er ubiquitin- i. The highest cell activation and
Background References		1. Alexander, W.S. et al. (1999) <i>J Leukoc Biol</i> 66, 588-92. 2. Chen, X.P. et al. (2000) <i>Immunity</i> 13, 287-90. 3. Hilton, D.J. et al. (1998) <i>Proc Natl Acad Sci USA</i> 95, 114-9. 4. Starr, R. et al. (1997) <i>Nature</i> 387, 917-21. 5. Endo, T.A. et al. (1997) <i>Nature</i> 387, 921-4. 6. Naka, T. et al. (1997) <i>Nature</i> 387, 924-9. 7. Ohya, K. et al. (1997) <i>J Biol Chem</i> 272, 27178-82. 8. Kinjyo, I. et al. (2002) <i>Immunity</i> 17, 583-91. 9. Davey, G.M. et al. (2006) <i>Tissue Antigens</i> 67, 1-9. 10. Kamizono, S. et al. (2001) <i>J Biol Chem</i> 276, 12530-8. 11. Rui, L. et al. (2002) <i>J Biol Chem</i> 277, 42394-8. 12. Marine, J.C. et al. (1999) <i>Cell</i> 98, 609-16. 13. De Sepulveda, P. et al. (1999) <i>EMBO J</i> 18, 904-15. 14. Rottapel, R. et al. (2002) <i>Oncogene</i> 21, 4351-62.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot 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 Key W: Western Blotting

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

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