+9134 Store at -20C

Phospho-Stat3 (Ser727) Antibody

oracis.	orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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or Research Use Only. Not for Use in Diagnostic Procedures.							
Applications: F WB, IP, ChIP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 86	Source: Rabbit	UniProt ID: #P40763	Entrez-Gene lo 6774	
Product Usage Information	For This	For optimal ChIP results, use 10 μ I of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.					
	Ар	plication			Dilution		
	We	estern Blotting			1:1000		
	Imi	nunoprecipitation			1:50		
	Ch	romatin IP			1:50		
Storage		plied in 10 mM sod C. Do not aliquot th		5), 150 mM NaCl, 10	00 μg/ml BSA and 50% (glycerol. Store at –	
Specificity / Sensitivi	Ser	Phospho-Stat3 (Ser727) Antibody recognizes endogenous levels of Stat3 only when phosphorylated at Ser727. The antibody does not significantly cross-react with the corresponding phospho-serines of other Stat proteins.					
Species predicted to react based on 100% sequence homology:)	nster, Bovine, Dog,	Pig, Horse				
Source / Purification	to re				h a synthetic phosphop e purified by protein A a		
Background	rece con: apo tran at S biolo type	eptors (1) and is red stitutively activated ptotic activities (3). slocation, and DNA er727 through the ogical function as the pligand exposure,	quired for murine fet in a number of hum Stat3 is activated b binding (6,7). Tran MAPK or mTOR pa ne relative expression or cell maturation si	al development (2). aan tumors (3,4) and y phosphorylation at scriptional activation hways (8,9). Stat3 i on levels of Stat3α (f age (10). It is notab	le for many cytokines ar Research studies have I possesses oncogenic t Tyr705, which induces a seems to be regulated soform expression appe 86 kDa) and Stat3β (79 le that Stat3β lacks the activation domain (8).	shown that Stat3 is potential (5) and anti- dimerization, nuclear by phosphorylation wars to reflect kDa) depend on cell	
Background Referen	2. Ti 3. C 4. G 5. B 6. D 7. Ir 8. W 9. Yi	akeda, K. et al. (19 atlett-Falcone, R. e arcia, R. and Jove, romberg, J.F. et al. arnell, J.E. et al. (1 ile, J.N. (1995) <i>Nat</i> /en, Z. et al. (1995) okogami, K. et al. (2	97) Proc Natl Acad et al. (1999) Immuni R. (1998) J Biome (1999) Cell 98, 295 994) Science 264, 2 ure 377, 591-4.	9 Sci 5, 79-85. -303. 1415-21. 47-50.			
Species Reactivity	Spec	ies reactivity is det	ermined by testing i	n at least one appro	ved application (e.g., w	estern blot).	
Western Blot Buffer			ern blots, incubate n with gentle shaking		d primary antibody in 5 ⁰	% w/v BSA, 1X TBS,	

3/23/24, 1:13 PM	Phospho-Stat3 (Ser727) Antibody (#9134) Datasheet Without Images Cell Signaling Technolo	
Applications Key	WB: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP	
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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