Phospho-Stat4 (Tyr693) Antibody





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

Applications: W, IP, ChIP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 81	Source/Isotype: Rabbit	UniProt ID: #Q14765	Entrez-Gene Id: 6775
Product Usage Information		For optimal ChIP results, use 20 μl of antibody and 10 μg of chromatin (approximately 4 x 10 ⁶ cells) per IP.				
		This antibody has been	n validated using Si	mpleChIP [®] Enzymatic C	hromatin IP Kits.	
		Application Western Blotting Immunoprecipitation Chromatin IP			Dilution 1:1000 1:100 1:25	
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th		i), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –
Specificity/Sen	sitivity	Phospho-Stat4 (Tyr693) Antibody detects endogenous levels of Stat4 only when phosphorylated at Tyr693.				
Species predict based on 100% homology	ted to react sequence	Mouse, Rat				
Source / Purific	cation		lues surrounding T	munizing animals with a yr693 of human Stat4 pr raphy.		
Background		hormones (1). Recepto phosphorylation of Sta elements, and subseq responses regulated b cytokine receptors, Jak different receptors (2). most extensively inves with phosphorylation	r-mediated tyrosin at proteins, resultin uent activation of tu y the Stats is detern s, and Stats, as wel Stat4 is predomina tigated as the med at Tyr693 (9).	by a large number of cyl e phosphorylation of Jak g in their nuclear translo ranscription. The remark mined, in part, by the tis Il as by the combinatoria antly expressed in the sp liator of IL-12 responses atural killer (NK) cells, bu	s family members to ocation, binding to sable range and spe sue-specific expres l coupling of variou leen, thymus, and (3-8). Activation of	riggers specific DNA ecificity of sion of different is Stat members to testis and has been
Background Re	eferences	3. Zhong, Z. et al. (199 4. Yamamoto, K. et al. 5. Jacobson, N.G. et al.	Shea, J.J. (1998) Ani 4) Proc. Natl. Acad. (1994) Mol. Cell Bio (1995) J. Exp. Med. 995) Proc. Natl. Aca 1. (1996) Nature 38 1996) Nature 382, 1 00) Blood 96, 1844-	nu. Rev. Immunol. 16, 29 Sci. USA 91, 4806-4810. J. 14, 4342-4349. 181, 1755-1762. d. Sci. USA 92, 7307-731 2, 171-174. 74-177. -52.		
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	ז 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	P: Immunoprecipita	ition ChIP: Chromatin IP		

Cross-Reactivity Key	H: Human	
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