Stat4 (C46B10) Rabbit mAb			
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For Research Use Only. Not for Use in Diagnostic Procedures.			

Product Usage Information		For optimal ChIP and 10 ⁶ cells) per IP. This a Application Western Blotting Immunoprecipitation	ChIP-seq results, us antibody has been v	se 10 μl of antibody and validated using SimpleCł	10 μg of chromatin ነIP [®] Enzymatic Chro	approximately 4 x			
		Western Blotting			hIP-seq results, use 10 μl of antibody and 10 μg of chromatin (approximately 4 x ntibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
		Chromatin IP Chromatin IP-seq			Dilution 1:1000 1:50 1:50 1:50				
Storage				5), 150 mM NaCl, 100 µg ot aliquot the antibody.		rol and less than			
Specificity/Sensiti	vity	Stat4 (C46B10) Rabbit mAb detects endogenous levels of total Stat4 protein.							
Source / Purificat	ion	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys151 of Stat4.							
Background		hormones (1). Recept phosphorylation of St elements, and subsec responses regulated l cytokine receptors, Ja different receptors (2)	or-mediated tyrosir at proteins, resultir quent activation of t by the Stats is deter ks, and Stats, as we). Stat4 is predomin stigated as the med	by a large number of cy he phosphorylation of Ja ng in their nuclear transl ranscription. The remar mined, in part, by the tis Il as by the combinatoria antly expressed in the sp liator of IL-12 responses	k family members t ocation, binding to kable range and sp ssue-specific expres al coupling of variou bleen, thymus, and	riggers specific DNA ecificity of ssion of different us Stat members to testis and has been			
Background Refe	rences	3. Zhong, Z. et al. (199 4. Yamamoto, K. et al. 5. Jacobson, N.G. et al	9'Shea, J.J. (1998) An 94) Proc. Natl. Acad. (1994) Mol. Cell Bio . (1995) J. Exp. Med. 995) Proc. Natl. Aca al. (1996) Nature 382, 1 1996) Nature 382, 1	nu. Rev. Immunol. 16, 29 Sci. USA 91, 4806-4810. bl. 14, 4342-4349. 181, 1755-1762. ad. Sci. USA 92, 7307-731 2, 171-174. 174-177.					
Species Reactivity	,	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).			
Western Blot Buff	er	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X			
Applications Key		W: Western Blotting I	P: Immunoprecipita	ation ChIP: Chromatin IF	• ChIP-seq: Chroma	atin IP-seq			
Cross-Reactivity K	ley	H: Human M: Mouse	R: Rat						
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