IRF-4 (D43H10) Rabbit mAb Order





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Applications: W, IP, ChIP	Reactivity: H R	Sensitivity: Endogenous	MW (kDa): 51	Source/Isotype: Rabbit IgG	UniProt ID: #Q15306	Entrez-Gene Id: 3662
Product Usage Information	9	For optimal ChIP results, use 5 μl of antibody and 10 μg of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
		Application Western Blotting Immunoprecipitation Chromatin IP			Dilution 1:1000 1:100 1:100	
Storage				i), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	/ml BSA, 50% glycer	ol and less than
Specificity/Sen	sitivity			genous levels of total IR s not cross-react with otl		
Source / Purifi	cation	Monoclonal antibody i residues around Asp17		nunizing animals with a s	synthetic peptide co	prresponding to
Background		Jak/Stat pathway to reg infection (1). IRFs play development, cell grov IRF-1, IRF-2, IRF-9/ISGF proteins share homolo transcription through	gulate interferon (I an important role i wth, and susceptibi F3γ, IRF-3, IRF-4 (Pij ogy in their amino-t interactions with p	rise a family of transcrip FN) and IFN-inducible ge n pathogen defense, au lity to transformation. T b/LSIRF/ICSAT), IRF-5, IR rerminal DNA-binding de roteins that share simila consensus sequences (ene expression in re toimmunity, lymph he IRF family includ F-6, IRF-7, and IRF-8 omains. IRF family r r DNA-binding mot	esponse to viral ocyte es nine members: 3/ICSBP. All IRF nembers regulate ifs, such as IFN-
		of lymphoid regulatior member of the ETS far characterized as a lym was identified in activa (ICSAT), and shown to cell development and stimuli such as concav show normal distributi	1 (3-5). First, IRF-4 (l mily, and to regulat phoid-specific men ated T cells as a fact repress gene activa in mature T cells, a alin A, CD3 crosslin ion of B and T lymp nopathy, suggestir	groups and demonstrat Pip) was found to associ e the expression of B-ce hber of the IRF family (L tor that binds to the pro ation induced by IFN (5). nd is inducible in primar king, anti-IgM and PMA phocytes at 4 to 5 weeks ag a role for IRF-4 in the	ate with PU.1, a her Il specific genes (3). SIRF) able to bind to moter of the interle IRF-4 is expressed i y lymphocytes by a treatment (4,5). Mi , but later develop p	natopoietic specific Second, it was SISRE (4). Third, it eukin-5 gene in all stages of B ntigen mimetic ce deficient in IRF-4 progressive
Background Re	eferences	1. Taniguchi, T. et al. (2 2. Honda, K. and Tanig 3. Eisenbeis, C.F. et al. 4. Matsuyama, T. et al. 5. Yamagata, T. et al. (1 6. Mittrücker, H.W. et a	uchi, T. (2006) <i>Nat</i> (1995) <i>Genes Dev S</i> (1995) <i>Nucleic Acio</i> 1996) <i>Mol Cell Biol</i>	<i>Rev Immunol</i> 6, 644-58.), 1377-87. <i>ds Res</i> 23, 2127-36. 16, 1283-94.		
Species Reacti	vity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted shaking, overnight.	primary antibody ii	n 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	?: Immunoprecipita	ition ChIP: Chromatin IF	•	

Cross-Reactivity Key	H: Human R: Rat
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