IRF-4 (D9P5H) Rabbit mAb	С	Cell Signaling TECHNOLOGY®			
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For Research Use Only. Not for Use in Diagnostic Procedures.					

Applications: W, IP, ChIP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 51	Source/Isotype: Rabbit IgG	UniProt ID: #Q64287	Entrez-Gene Id 16364	
Product Usage Information		For optimal ChIP and ChIP-seq 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 1:200 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>					
Specificity/Sen	sitivity	IRF-4 (D9P5H) Rabbit r	mAb recognizes en	dogenous levels of total	IRF-4 protein.		
Source / Purific	ation	Monoclonal antibody	is produced by imm	nunizing animals with m	ouse IRF-4 recomb	inant protein.	
Background		Jak/Stat pathway to re infection (1). IRFs play development, cell grou IRF-1, IRF-2, IRF-9/ISG proteins share homolo transcription through	gulate interferon (I an important role wth, and susceptibi F3γ, IRF-3, IRF-4 (Pi ogy in their amino- interactions with p	rise a family of transcrip FN) and IFN-inducible g n pathogen defense, au lity to transformation. T p/LSIRF/ICSAT), IRF-5, IR terminal DNA-binding de roteins that share simila	ene expression in r itoimmunity, lymph he IRF family incluc F-6, IRF-7, and IRF-7 omains. IRF family i n DNA-binding mot	esponse to viral locyte les nine members: 8/ICSBP. All IRF members regulate ifs, such as IFN-	
		of lymphoid regulation member of the ETS fai characterized as a lym was identified in activa (ICSAT), and shown to cell development and stimuli such as concav show normal distribut	n (3-5). First, IRF-4 (mily, and to regulat phoid-specific mer ated T cells as a fac repress gene activa in mature T cells, a valin A, CD3 crosslir cion of B and T lymp enopathy, suggestir	groups and demonstrat Pip) was found to associ e the expression of B-ce nber of the IRF family (L tor that binds to the pro ation induced by IFN (5). nd is inducible in priman king, anti-IgM and PMA phocytes at 4 to 5 weeks ag a role for IRF-4 in the	ate with PU.1, a he ell specific genes (3) SIRF) able to bind to moter of the interl IRF-4 is expressed y lymphocytes by a treatment (4,5). Mi , but later develop	matopoietic specifi . Second, it was o ISRE (4). Third, it eukin-5 gene in all stages of B intigen mimetic ice deficient in IRF-4 progressive	
Background Re	ferences	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. (6. Mittrücker, H.W. et a	guchi, T. (2006) <i>Nat</i> (1995) <i>Genes Dev</i> . (1995) <i>Nucleic Aci</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 Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer			membrane with diluted with gentle shaking, ove		n 5% w/v nonfat	
Applications Ke	ey 🛛	W: Western Blotting II	P: Immunoprecipita	ation ChIP: Chromatin IF	0		
Cross-Reactivit	у Кеу	H: Human M: Mouse F	R: Rat				

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