4/20/24, 10:33 AM Revision 3

#2628 store at -200 #5628 to 1200	D8) Rabbi	t mAb		3 Track I	Orders: Support: Web:	BISignaling CHNOLOGY® 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com ssachusetts 01923 USA	
For Research Use Only. N	lot for Use in D	iagnostic Proc	edures.				
Applications: WB, IP, ChIP, ChIP-seq	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit IgG	UniProt ID: #Q02556	Entrez-Gene Id: 3394	
Product Usage Information		For optimal ChIP and ChIP-seq results, use 20 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.					
	Appli	Application				Dilution	
	••	ern Blotting			1:1000		
	Immu	noprecipitation			1:50		
	Chroi	matin IP			1:25		
	Chroi	Chromatin IP-seq			1:25		
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less t 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ycerol and less than		
Specificity / Sensitiv		IRF-8 (D20D8) Rabbit mAb detect endogenous levels of total IRF-8 protein. An unknown background band is detected at 80 kDa in some cell lines.					
Species predicted to react based on 1009 sequence homology	%	lonkey, Xenopus,	Bovine				
Source / Purification			produced by imm ly65 of human IRI	unizing animals with a s F-8 protein.	synthetic peptide co	rresponding to	
Background	Jak/St infectio growth 9/ISGI homol interac	Interferon regulatory factors (IRFs) comprise a family of transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection (1). IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. The IRF family includes nine members: IRF-1, IRF-2, IRF-9/ISGF3γ, IRF-3, IRF-4 (Pip/LSIRF/ICSAT), IRF-5, IRF-6, IRF-7, and IRF-8/ICSBP. All IRF proteins share homology in their amino-terminal DNA-binding domains. IRF family members regulate transcription through interactions with proteins that share similar DNA-binding motifs, such as IFN-stimulated response elements (ISRE), IFN consensus sequences (ICS), and IFN regulatory elements (IRF-E) (2).					
	with in Expres descril and T produc	terferon (3,4). IRF ssion of IRF-8 car bed as being indu cells (6). IRF-8 de ction of interferons	^Ξ -8 can function a n lead to the dowr iced by IFN-γ, IRF eficient mice have s, as well as dere	in hematopoietic cells a s a transcription represent regulation of the anti-ap -8 expression is also el enhanced susceptibility gulated hematopoiesis t e metabolism by suppre	sor of ICS-containin poptotic protein Bcl- evated by IRF-α as / to various pathoge hat resembles chro	g promoters (4). 2 (5). Originally well as IL-12 in NK ens and impaired nic myelogenous	
Background Refere	2. Hon 3. Drig 4. Wei 5. Burd 6. Leh 7. Holt 8. Feh	da, K. and Tanigu gers, P.H. et al. (1992 chert, A. et al. (1992 chert, A. et al. (20 tonen, A. et al. (20 schke, T. et al. (1997) 、	ıchi, T. (2006) Nai	180-9. 81-90. -17. 21-31.			

4/20/24, 10:33 AM	IRF-8 (D20D8) Rabbit mAb (#5628) Datasheet Without Images Cell Signaling Technology				
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	WB: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq				
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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