Store at



Applications: W, W-S	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #Q92985	Entrez-Gene Id: 3665	
Product Usage Information		Application Western Blotting Simple Western™			Dilution 1:1000 1:10 - 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. Do not aliquot the antibody.					
Specificity/Sensitivity		IRF-7 (D2A1J) Rabbit mAb recognizes endogenous levels of total IRF-7 protein.					
Species predicted to react based on 100% sequence homology		Monkey					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro115 of human IRF-7 protein.					
Background		Jak/Stat pathway to re infection (1). IRFs play development, cell gro IRF-1, IRF-2, IRF-9/ISG proteins share homolo transcription through	gulate interferon (I an important role i wth, and susceptibi F3γ, IRF-3, IRF-4 (Pig ogy in their amino-t interactions with pi	rise a family of transcrip FN) and IFN-inducible g n pathogen defense, au lity to transformation. T b/LSIRF/ICSAT), IRF-5, IR erminal DNA-binding de oteins that share simila consensus sequences (ene expression in re toimmunity, lympho he IRF family includ F-6, IRF-7, and IRF-8 omains. IRF family n ir DNA-binding moti	esponse to viral ocyte es nine members: /ICSBP. All IRF nembers regulate fs, such as IFN-	
		virus, LPS, and IFN-α (to viral infection (6-8).	3-5).́ IRF-7 plays an IRF-7 is regulated a RF-3, which are requ	3, is preferentially expre essential role in the ind t multiple serine phosp ired for nuclear transloo	uction of type I inter horylation sites nea	rferon in response r the carboxyl	
Background Re	ferences	1. Taniguchi, T. et al. (2 2. Honda, K. and Tanig 3. Au, W.C. et al. (1998 4. Wathelet, M.G. et al 5. Marié, I. et al. (1998 6. Sato, M. et al. (2000 7. Honda, K. et al. (200 9. Lin, R. et al. (2000) <i>J</i> 10. Yang, H. et al. (200 11. Caillaud, A. et al. (20	guch ⁱ , T. (2006) Nat A) J Biol Chem 273, 2 . (1998) Mol Cell 1, 5 D EMBO J 17, 6660-9) Immunity 13, 539- D5) Nature 434, 772- 8) Nature 434, 772- 8) Nature 452, 323-1 Biol Chem 275, 343 (3) J Biol Chem 278,	Rev Immunol 6, 644-58. 9210-7. 507-18. 48. 7. 8. 20-7. 15495-504.			
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		W: Western Blotting W-S: Simple Western™					

Cross-Reactivity Key H: Human

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