

£24129

Phospho-IRF-7 (Ser437/438) (D6M2I) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 55	Source/Isotype: Rabbit IgG	UniProt ID: #P70434	Entrez-Gene Id: 54123
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-IRF-7 (Ser437/438) (D6M2I) Rabbit mAb recognizes endogenous levels of mouse IRF-7 protein when dually phosphorylated at Ser437 and Ser438. This antibody has a preference for Ser437 and can recognize single phosphorylation at this site.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phospho-peptide corresponding to residues surrounding Ser437/438 of mosue 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 homol transcription through	egulate interferon (l v an important role wth, and susceptib iF3γ, IRF-3, IRF-4 (Pi ogy in their amino- interactions with p	rise a family of transcrip FN) and IFN-inducible g in pathogen defense, au lity to transformation. T p/LSIRF/ICSAT), IRF-5, IR terminal DNA-binding de roteins that share similal I consensus sequences (ene expression in r itoimmunity, lymph he IRF family includ F-6, IRF-7, and IRF-1 omains. IRF family i ir DNA-binding mot	esponse to viral nocyte des nine members: B/ICSBP. All IRF members regulate tifs, such as IFN-
		virus, LPS, and IFN-α to viral infection (6-8)	(3-5). IRF-7 plays an Like IRF-3, IRF-7 is	3, is preferentially expre essential role in the ind regulated at multiple se r nuclear translocation,	uction of type I inte rine phosphorylation	erferon in response on sites near its
Background References		1. Taniguchi, T. et al. (2001) <i>Annu Rev Immunol</i> 19, 623-55. 2. Honda, K. and Taniguchi, T. (2006) <i>Nat Rev Immunol</i> 6, 644-58. 3. Au, W.C. et al. (1998) <i>J Biol Chem</i> 273, 29210-7. 4. Wathelet, M.G. et al. (1998) <i>Mol Cell</i> 1, 507-18. 5. Marié, I. et al. (1998) <i>EMBO J</i> 17, 6660-9. 6. Sato, M. et al. (2000) <i>Immunity</i> 13, 539-48. 7. Honda, K. et al. (2005) <i>Nature</i> 434, 772-7. 8. Colina, R. et al. (2008) <i>Nature</i> 452, 323-8. 9. Lin, R. et al. (2000) <i>J Biol Chem</i> 275, 34320-7. 10. Yang, H. et al. (2005) <i>J Biol Chem</i> 278, 15495-504. 11. Caillaud, A. et al. (2005) <i>J Biol Chem</i> 280, 17671-7.				

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

Cross-Reactivity Key M: Mouse

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