

14767

Phospho-IRF-7 (Ser437/438) Antibody (Mouse Specific)



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

Applications: R	eactivity: M	Sensitivity: Endogenous	MW (kDa): 55	Source/Isotype: Rabbit	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 and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-IRF-7 (Ser437/438) Antibody (Mouse Specific) recognizes endogenous levels of mouse IRF-7 protein when dually phosphorylated at Ser437 and Ser438. This antibody can also recognize single phosphorylation at these sites, but has a preference for Ser438.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser437 and Ser438 of mouse IRF-7 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		Jak/Stat pathway to re infection (1). IRFs play development, cell ground IRF-1, IRF-2, IRF-9/ISG proteins share homol transcription through stimulated response (E) (2). IRF-7, which is function virus, LPS, and IFN-a to viral infection (6-8)	egulate interferon (i) an important role bwth, and susceptib GF3y, IRF-3, IRF-4 (Pi logy in their amino- interactions with p elements (ISRE), IFN onally similar to IRF- (3-5). IRF-7 plays an Like IRF-3, IRF-7 is	orise a family of transcrip (FN) and IFN-inducible gin in pathogen defense, au ility to transformation. T p/LSIRF/ICSAT), IRF-5, IR terminal DNA-binding do roteins that share similal I consensus sequences (3, is preferentially expre- essential role in the ind regulated at multiple se r nuclear translocation,	ene expression in restoimmunity, lymph the IRF family includ F-6, IRF-7, and IRF-8 omains. IRF family restored ir DNA-binding mot ICS), and IFN regula essed in lymphoid couction of type I interine phosphorylatic	esponse to viral ocyte les nine members: 8/ICSBP. All IRF members regulate ifs, such as IFN-atory elements (IRF-ells and induced by rferon in response on sites near its
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. (2003) <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 d	etermined by testin	g in at least one approve	ed application (e ɑ	western blot)

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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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