Rabbit mAb

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Phospho-IRF-3 (Ser396) (4D4G)

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 45-55	Source/Isotype: Rabbit IgG	UniProt ID: #Q14653	Entrez-Gene Id: 3661
Product Usage Information		Application Vestern Blotting			Dilution 1:1000	
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 / Sensit		Phospho-IRF-3 (Ser396) (4D4G) Rabbit mAb detects endogenous levels of IRF-3 when phosphorylated at Ser396.				
Species predicted react based on 100 sequence homolog)%	onkey, Pig				
Source / Purificatio		onoclonal antibody is p sidues surrounding Se		nunizing animals with a s RF-3.	synthetic phosphopept	ide corresponding to
Background	Ja inf gro 9/I ho int (IS IR im ph co thr tha a p TE	k/Stat pathway to regu fection (1). IRFs play a owth, and susceptibility ISGF3y, IRF-3, IRF-4 (omology in their amino- teractions with proteins SRE), IFN consensus s F-3 can inhibit cell gro imune response (1-4). hosphorylation of IRF-3 ontaining IRF-3-binding reconine residues (betw at promotes DNA bindi pathway that includes a 3K1 (6,7). IRF-3 is pho	alate interferon (n important role y to transformatii (Pip/LSIRF/ICSA terminal DNA-bi s that share simil sequences (ICS) wth and plays a In unstimulated and leads to its sites. Phosphor yeen 385 and 40 ng and transcrip activation of Toll sphorylated at S	rise a family of transcrip FN) and IFN-inducible (in pathogen defense, at on. The IRF family inclu T), IRF-5, IRF-6, IRF-7, nding domains. IRF fam ar DNA-binding motifs, , and IFN regulatory ele critical role in controlling cells, IRF-3 is present in translocation to the nuc ylation of IRF-3 occurs 5) leading to its associa tional activity (5). During like receptors and of a l era396 following viral infe ese events likely play a n	gene expression in res utoimmunity, lymphocy des nine members: IR and IRF-8/ICSBP. All nily members regulate such as IFN-stimulated ments (IRF-E) (2). g the expression of gen the cytoplasm. Viral i cleus where it activates at a cluster of C-termin tion with the p300/CBF g infection, IRF-3 is like kinase complex that in pection, expression of v	ponse to viral te development, cell F-1, IRF-2, IRF- IRF proteins share transcription through d response elements thes in the innate infection results in promoters that serine and coactivator protein ely activated through cludes IKKɛ and iral nucleocapsid,
Background Refer	2. 3. 4. 5. 6. 7.	Hiscott, J. et al. (1999) Kim, T.Y. et al. (2003) Yoneyama, M. et al. (2 Fitzgerald, K.A. et al. (chi, T. (2006) Na) J. Interferon Cy J. Biol. Chem. 2 2002) J. Interfero (2003) Nat. Imm ov, R. (2003) Cu	t Rev Immunol 6, 644-5 tokine Res. 19, 1-13. 78, 15272-15278. In Cytokine Res. 22, 73- unol. 4, 491-496. rr. Opin. Immunol. 15, 3	76.	
Species Reactivity	Spe	ecies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	stern blot).
Western Blot Buffe		PORTANT: For westerr % Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,

3/23/24, 11:14 AM Phose Applications Key	oho-IRF-3 (Ser396) (4D4G) Rabbit mAb (#4947) Datasheet Without Images Cell Signaling Technology WB: Western Blotting		
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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