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# **IRF-5 Antibody**



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

<b>Applications:</b> W, IP	<b>Reactivity:</b> M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 60	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q13568	Entrez-Gene Id: 3663
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		Supplied in 10 mM sod 20°C. Do not aliquot th		s), 150 mM NaCl, 100 μg.	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		IRF-5 Antibody detects endogenous levels of total IRF-5 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser172 of mouse IRF-5 protein. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		Jak/Stat pathway to reg infection (1). IRFs play development, cell grov IRF-1, IRF-2, IRF-9/ISGF proteins share homolo transcription through i stimulated response el E) (2). IRF-5 is expressed in ly induction of type I inte	gulate interferon ( an important role th, and susceptib 3γ, IRF-3, IRF-4 (Pi gy in their amino- nteractions with p ements (ISRE), IFN mphoid tissues ar rferon genes follo	rise a family of transcrip FN) and IFN-inducible go in pathogen defense, au lity to transformation. T p/LSIRF/ICSAT), IRF-5, IR terminal DNA-binding do roteins that share similal consensus sequences ( d peripheral blood lymp wing viral infection (3). A TLR) pathway, including	ene expression in restoimmunity, lymph he IRF family includers, and IRF-6, IRF-7, and IRF-8 mains. IRF family in DNA-binding mot ICS), and IFN regulations and particitativation of IRF-5 si	esponse to viral ocyte les nine members: 8/ICSBP. All IRF members regulate ifs, such as IFN-atory elements (IRF-pates in the gnaling is triggered
			ociated with disor	ders where the IFN path		
Background References		3. Barnes, B.J. et al. (20 4. Takaoka, A. et al. (20	uchi, T. (2006) <i>Nat</i> 01) <i>J. Biol. Chem. 2</i> 05) <i>Nature</i> 434, 24 al. (2005) <i>J. Biol. C</i> (2005) <i>Am. J. Hum.</i>	Rev Immunol 6, 644-58. .76, 23382-23390. 3-249. hem. 280, 17005-17012. Genet. 76, 528-537.		
Species Reactivi	ty	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				

#### **Applications Key**

W: Western Blotting IP: Immunoprecipitation

## **Cross-Reactivity Key**

M: Mouse R: Rat

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