## **IRF-2 Antibody**



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

<b>Applications:</b> W, IP	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 45	Source/Isotype: Rabbit	UniProt ID: #P14316	Entrez-Gene Id: 3660
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		IRF-2 Antibody detects endogenous levels of total IRF-2 protein.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp327 of human IRF-2 protein. Antibodies were purified by affinity chromatography.				
Background		Interferon regulatory factors (IRFs) comprise a family of transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection (1). IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. The IRF family includes nine members: IRF-1, IRF-2, IRF-9/ISGF3\(\gamma\), IRF-3, IRF-4 (Pip/LSIRF/ICSAT), IRF-5, IRF-6, IRF-7, and IRF-8/ICSBP. All IRF proteins share homology in their amino-terminal DNA-binding domains. IRF family members regulate transcription through interactions with proteins that share similar DNA-binding motifs, such as IFN-stimulated response elements (ISRE), IFN consensus sequences (ICS), and IFN regulatory elements (IRF-E) (2).				
		repressor. IRF-2 promo protein, and CIITA, a N sites utilized by IRF-1,	otes transcription on the control of transactivator repressing activation of the control of the	embers, IRF-2 acts as bo of several genes, includin protein. Conversely, IRF- on by this related transci F-2 has also been associ ent (7,8).	ig histone H4, the V 2 competitively bin ription factor (3). Its	CAM1 cell adhesion ds to promoter s activity may be
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. Harada, H. et al. (1989) <i>Cell</i> 58, 729-739. 4. Palombella, V.J. and Maniatis, T. (1992) <i>Mol. Cell Biol.</i> 12, 3325-3336. 5. Harada, H. et al. (1993) <i>Science</i> 259, 971-974. 6. Nguyen, H. et al. (1995) <i>Oncogene</i> 11, 537-544. 7. Matsuyama, T. et al. (1993) <i>Cell</i> 75, 83-97. 8. Lohoff, M. et al. (2000) <i>J. Exp. Med.</i> 192, 325-336.				
Species Reactiv	ity	Species reactivity is de	etermined 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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key** 

W: Western Blotting IP: Immunoprecipitation

**Cross-Reactivity Key** 

H: Human M: Mouse R: Rat

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