-

Phospho-IRF-3 (Ser396) (D6O1M) Rabbit



Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP, IF-IC, FC-FP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 45-55	Source/Isotype: Rabbit IgG	UniProt ID: #Q14653	Entrez-Gene Id: 3661	
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)			Dilution 1:1000 1:50 1:100 - 1:400 1:50 - 1:200		
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. <i>Do not aliquot the antibody.</i>					
		For a carrier free (BSA and azide free) version of this product see product #61166.					
Specificity/Sensit	ivity	Phospho-IRF-3 (Ser396) (D6O1M) Rabbit mAb recognizes endogenous levels of IRF-3 protein only when phosphorylated at Ser396. Non-specific Golgi background may be observed by immunofluorescence in mouse cells.					
Source / Purificat	ion	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser396 of human IRF-3 protein.			prresponding to		
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/ISGF3γ, 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).					
		immune response (1-4 phosphorylation of IRF containing IRF-3-bindir threonine residues (be protein that promotes activated through a pa includes IKKɛ and TBK). In unstimulated of -3 and leads to its ing sites. Phosphory tween 385 and 405 DNA binding and t thway that include 1 (6,7). IRF-3 is phos	ritical role in controlling cells, IRF-3 is present in t translocation to the nuc lation of IRF-3 occurs at) leading to its associati ranscriptional activity (5 s activation of Toll-like re sphorylated at Ser396 fc RNA treatment. These ev	the cytoplasm. Viral leus where it activa a cluster of C-term on with the p300/Cl). During infection, eceptors and of a ki llowing viral infecti	infection results in tes promoters inal serine and BP coactivator IRF-3 is likely nase complex that on, expression of	
Background Refe	rences	3. Hiscott, J. et al. (1999 4. Kim, T.Y. et al. (2003) 5. Yoneyama, M. et al. 6. Fitzgerald, K.A. et al.	uchi, T. (2006) Nat i 9) J Interferon Cytol J Biol Chem 278, 1 (2002) J Interferon (2003) Nat Immun itov, R. (2003) Curr	Rev Immunol 6, 644-58. kine Res 19, 1-13. 5272-8. Cytokine Res 22, 73-6. ol 4, 491-6. Opin Immunol 15, 396-4	.01.		
Species Reactivit	y	Species reactivity is de	termined by testing	j in at least one approve	d application (e.g.,	western blot).	
Western Blot Buf	fer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted haking, overnight.	primary antibody ir	1 5% w/v BSA, 1X	

Applications Key	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC- FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	H: Human M: Mouse R: Rat	
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.	
	XP is a registered trademark of Cell Signaling Technology, Inc.	
	This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com.	
	All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.	
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.	
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.	