Store at -20C

Phospho-c-Jun (Ser73) (D47G9) XP[®] Rabbit mAb **Cell Signaling** TECHNOLOGY® Orders: Support: Web:

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

877-616-CELL (2355) orders@cellsignal.com

877-678-TECH (8324)

info@cellsignal.com cellsignal.com

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

Applications: Reacti WB, IP, IHC-P, IF-F, IF- IC, FC-FP, ChIP, ChIP- seq, C&R		MW (kDa): 48	Source/Isotype: Rabbit IgG	UniProt ID: #P05412	Entrez-Gene Id: 3725
Product Usage Information			use 10 µl of antibody and validated using Simple0		
	The CUT&RUN dilution	n was determined	using CUT&RUN Assay	r Kit #86652.	
	Application				Dilution
	Western Blotting				1:1000
	Immunoprecipitation				1:50
	Immunohistochemistr	y (Paraffin)			1:200
	Immunofluorescence	(Frozen)			1:800
	Immunofluorescence	(Immunocytochen	nistry)		1:800
	Flow Cytometry (Fixed	d/Permeabilized)			1:200
	Chromatin IP				1:50
	Chromatin IP-seq				1:50
	CUT&RUN				1:50
Storage			7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensitivity			abbit mAb detects endog nay also recognize JunI		
Species predicted to react based on 100% sequence homology:	Bovine				
Source / Purification	Monoclonal antibody is residues around Ser73		nunizing animals with a s	synthetic phosphopep	tide corresponding to
Background	transcription factor acti members and binds to signals, including grow transcriptional activity of (reviewed in 2). Knock subsequent studies ha including axon regener exert diverse biologica transformation, invasio regulate survival, as w	ivator protein-1 (A and activates tran th factors, chemol of c-Jun is regulate out studies in mice ve demonstrated ration (4), liver reg I functions, includi on and metastasis, ell as hypoxia and	aining c-Jun, JunB, and P-1). AP-1 is composed iscription at TRE/AP-1 e kines, and stress, activa ed by phosphorylation a have shown that c-Jun roles for c-Jun in various eneration (5), and T cell ng cell proliferation, diffe depending on cell type angiogenesis (8,10). Re , vascular remodeling, a	of dimers of Fos, Jun lements (reviewed in te AP-1-dependent tra t Ser63 and Ser73 thr is essential for embr s tissues and develop development (6). AP erentiation, and apopt and context (7-9). Oth esearch studies have	a, and ATF family 1). Extracellular anscription. The rough SAPK/JNK yogenesis (3), and mental processes, -1 regulated genes osis, as well as her target genes implicated c-Jun as
Background References	1. Jochum, W. et al. (24 2. Davis, R.J. (2000) C 3. Hilberg, F. et al. (199 4. Raivich, G. et al. (20 5. Behrens, A. et al. (20	cell 103, 239-52. 93) Nature 365, 17 904) Neuron 43, 57	'9-81. 7-67.		

3/24, 10:58 AM Ph	 ospho-c-Jun (Ser73) (D47G9) XP® Rabbit mAb (#3270) Datasheet Without Images Cell Signaling Te 6. Riera-Sans, L. and Behrens, A. (2007) <i>J Immunol</i> 178, 5690-700. 7. Leppä, S. and Bohmann, D. (1999) <i>Oncogene</i> 18, 6158-62. 8. Shaulian, E. and Karin, M. (2002) <i>Nat Cell Biol</i> 4, E131-6. 9. Weiss, C. and Bohmann, D. (2004) <i>Cell Cycle</i> 3, 111-3. 10. Karamouzis, M.V. et al. (2007) <i>Mol Cancer Res</i> 5, 109-20. 11. Kim, S. and Iwao, H. (2003) <i>J Pharmacol Sci</i> 91, 177-81. 12. Dass, C.R. and Choong, P.F. (2008) <i>Pharmazie</i> 63, 411-4. 				
Species Reactivity	Species reactivity is determined by testing in at least one approved 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	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN				
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 				
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. 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.				