on 1

Phospho-JunB (Thr102/Thr104) (D3C6) Rabbit mAb						Cell Signaling T E C H N O L O G Y* Orders: 877-616-CELL (2355)	
						orders@cellsignal.com	
23					Support:	877-678-TECH (8324)	
#8053					Web:	info@cellsignal.com cellsignal.com	
				3 Trask	Lane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only. Not Applications: Re		gnostic Proce Sensitivity:	edures. MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:	
WB, IP		Endogenous	43	Rabbit IgG	#P17275	3726	
Product Usage	Applica	ation			Dilutior	1	
Information	Wester	n Blotting		1:1000			
	Immuno	oprecipitation		1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ycerol and less than	
Specificity / Sensitivity		Phospho-JunB (Thr102/Thr104) (D3C6) Rabbit mAb recognizes endogenous levels of JunB protein when phosphorylated at Thr102 and/or Thr104. The antibody does not detect non-phosphorylated JunB protein.					
Species predicted to react based on 100% sequence homology:	Mouse,	Rat					
Source / Purification		Monoclonal antibody is produced by immunizing animals with synthetic phosphopeptides corresponding to residues surrounding Thr102 and Thr104 of human JunB protein.					
Background	Jun and functiona physiolo JunB so develop the path JunB ex with c-M 4), one o enhance residues	JunD. Jun fami al transcription f gical and patho metimes antago ment in mice (5- ogenesis of chr pression is sele af, and the resu of the signature of by JNK-medi enhances DNA	ly members hom actor AP-1 (activ logical stimuli sup onizes c-Jun tran -7). JunB regulate onic myelogenou ctively induced ir ilting complex fur cytokines secrete ated phosphoryla	odimerize or heterodim rator protein 1), whose ch as growth factors, in scriptional activity, it ma es hematopoietic stem is leukemia (CML) and in T helper 2 (Th2) cells inctions synergistically t ed by Th2 cells. Transc ation of JunB at Thr102 unB/c-Maf complex at the	nerize with Fos and A activity is regulated b fections, and stress ay functionally substi cell number and play acute myeloid leuked during T cell differen o activate transcription riptional regulation o and Thr104 (10). Ph	by a variety of signals (1-4). While tute for c-Jun during ys an important role in mia (AML) (8,9). titation. JunB interacts on of Interleukin-4 (IL- f IL-4 was shown to be tosphorylation of these	
Background Referenc	2. Shaul 3. Hess, 4. Mecht 5. Chiu, 6. Schüt 7. Passe 8. Steidl 9. Passe	 Busch, S.J. and Sassone-Corsi, P. (1990) <i>Trends Genet.</i> 6, 36-40. Shaulian, E. and Karin, M. (2002) <i>Nat. Cell Biol.</i> 4, E131-E136. Hess, J. et al. (2004) <i>J. Cell Sci.</i> 117, 5965-5973. Mechta-Grigoriou, F. et al. (2001) <i>Oncogene</i> 20, 2378-2389. Chiu, R. et al. (1989) <i>Cell</i> 59, 979-986. Schütte, J. et al. (1989) <i>Cell</i> 59, 987-997. Passegué, E. et al. (2002) <i>Nat. Genet.</i> 30, 158-166. Steidl, U. et al. (2006) <i>Nat. Genet.</i> 38, 1269-1277. Passegué, E. et al. (2004) <i>Cell</i> 119, 431-443. Li, B. et al. (1999) <i>EMBO J</i> 18, 420-32. 					
Species Reactivity	Species r	eactivity is dete	rmined by testing	g in at least one approv	red application (e.g.,	western blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate me					

1/1/24, 1:03 PM	Phospho-JunB (Thr102/Thr104) (D3C6) Rabbit mAb (#8053) Datasheet Without Images Cell Signaling Tech		
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. 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 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.		