Cell Signaling FosB Antibody Store at -20C H. 877-616-CELL (2355) orders@cellsignal.com Orders: 877-678-TECH (8324) Support: info@cellsignal.com cellsignal.com Web:



3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W, IP, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 38 FosB2. 48 FosB.	Source/Isotype: Rabbit	UniProt ID: #P53539	Entrez-Gene Id: 2354	
Product Usage Information	2	Application Western Blotting Immunoprecipitatio Immunofluorescence	n e (Immunocytochemis	stry)		Dilution 1:1000 1:50 1:100	
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		This antibody detects endogenous levels of total FosB protein (both FosB and FosB2 isoforms). The antibody does not cross-react with other Fos proteins, including c-fos, FRA1 and FRA2.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala140 of human FosB protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		antigen 2 (FRÁ2) (1). isoforms: full-length amino acids (1-3). Th extracellular stimuli, and stress. Fos prote (AP-1), a transcriptio proteins contain the binds to DNA. The va genes. In addition to to extracellular stim Ser32 and Thr232 by FRA1 at Ser252 and cancer cells (6). Follo fibroblasts is immed FRA1 and FRA2 expr growing cells (8). De	While most Fos protei FosB and a shorter fo ne expression of Fos pr including growth fact and a shorter fo including growth fact and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	des c-Fos, FosB, Fos-rel ns exist as a single isof rm, FosB2 (Delta FosB) roteins is rapidly and tr ors, cytokines, neurotra proteins (c-Jun, JunB, a TRE/AP-1 elements and hat mediates dimerizat imers differ in their ab , phosphorylation of Fo e transcriptional activi n stability and nuclear ases protein stability a mulation, expression c ed, with protein levels and appreciable levels of c-Fos, FosB, or FRA2 the ability to transform	orm, the FosB prote , which lacks the car ansiently induced b ansmitters, polypep nd JunD) to form Ac l activates transcript tion and an adjacen ility to transactivate os proteins by Erk ki ty (4-6). Phosphoryla localization (5). Pho nd leads to overexp of FosB and c-Fos in dissipating after sev can be detected in can result in neopla	ein exists as two rboxy-terminal 101 y a variety of btide hormones, tivator Protein-1 tion. Fos and Jun t basic domain that e AP-1 dependent inases in response ation of c-Fos at sphorylation of ression of FRA1 in quiescent veral hours (7). asynchronously	
Background R	eferences	2. Dobrazanski, P. et 3. Nakabeppu, Y. an 4. Rosenberger, S.F. 5. Sasaki, T. et al. (20 6. Basbous, J. et al. (2 7. Kovary, K. and Bra	0) <i>Histol Histopathol</i> 1 al. (1991) <i>Mol Cell Bio</i> d Nathans, D. (1991) <i>C</i> et al. (1999) <i>J Biol Cher</i> 06) <i>Mol Cell</i> 24, 63-75. 2007) <i>Mol Cell Biol</i> 27, tvo, R. (1991) <i>Mol Cell I</i> tvo, R. (1992) <i>Mol Cell I</i>	/ 11, 5470-8. ell 64, 751-9. n 274, 1124-30. 3936-50. Biol 11, 2451-9.			
Species Reacti	vity	Species reactivity is	determined by testing	in at least one approve	ed application (e.g.,	western blot).	
Western Blot I	Buffer		stern blots, incubate n 0 at 4°C with gentle sh	nembrane with diluted naking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting	IP: Immunoprecipitat	ion IF-IC: Immunofluo	rescence (Immunoc	ytochemistry)	
Cross-Reactivity Key		H: Human M: Mouse R: Rat					

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