Delta FosB (D3S8R) Rabbit mAb





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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 37	Source/Isotype: Rabbit IgG	UniProt ID: #P53539	Entrez-Gene Id: 2354
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
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. Do not aliquot the antibody.				
Specificity/Sen	sitivity	Delta FosB (D3S8R) Rabbit mAb recognizes endogenous levels of total delta FosB protein. This antibody also cross-reacts with an unidentified protein of 85 kDa. This antibody does not cross-react with FosB protein.				
Source / Purific	cation			nunizing animals with a uman delta FosB protein		orresponding to
Background		antigen 2 (FRÁ2) (1). V isoforms: full-length F amino acids (1-3). The extracellular stimuli, i and stress. Fos protei (AP-1), a transcription proteins contain the I binds to DNA. The var genes. In addition to to extracellular stimu Ser32 and Thr232 by FRA1 at Ser252 and So cancer cells (6). Follow fibroblasts is immedia FRA1 and FRA2 expre- growing cells (8). Dero transformation; howe The delta FosB protei shorter isoform lacks more stable delta Fos chronic drug use (10- This complex may rep	While most Fos prot FosB and a shorter e expression of Fos ncluding growth fa ns dimerize with Ju factor that binds t eucine-zipper moti rious Fos/Jun heter increased expression li may further incre Erk5 increases prot er265 by Erk1/2 inc ving growth factor ate, but very short- ssion persists longe egulated expression ever, Delta FosB lack n is encoded by the a carboxy-terminal B protein (9). Induo 12) where it interac	udes c-Fos, FosB, Fos-rel teins exist as a single isof form, FosB2 (Delta FosB) proteins is rapidly and tr ctors, cytokines, neurotr n proteins (c-Jun, JunB, a o TRE/AP-1 elements and f that mediates dimeriza odimers differ in their ab on, phosphorylation of Fi ase transcriptional activi ein stability and nuclear reases protein stability a stimulation, expression of ived, with protein levels er, and appreciable levels on of c-Fos, FosB, or FRA2 ts the ability to transform e <i>FosB</i> gene and is produ FosB region that contain the delta FosB accumulation switch that helps initiated	form, the FosB prot of which lacks the ca- cansiently induced be ansmitters, polypeg nd JunD) to form Ac d activates transcrip- tion and an adjacer illity to transactivate os proteins by Erk k ty (4-6). Phosphoryl localization (5). Pho- nd leads to overexp of FosB and c-Fos in dissipating after set is can be detected in can result in neopla n cells (2,3). ced by alternative so ns ubiquitination sit tes in select brain re active, long-lasting of	ein exists as two rboxy-terminal 101 by a variety of otide hormones, ctivator Protein-1 ition. Fos and Jun it basic domain that e AP-1 dependent inases in response lation of c-Fos at osphorylation of oression of FRA1 in quiescent veral hours (7). asynchronously astic cellular eplicing. This tes and results in egions upon AP-1 complex (13).
Background Re	eferences	13. Chen, J. et al. (199	il. (1991) <i>Mol Cell B</i> Nathans, D. (1991) t al. (1999) <i>J Biol Ch</i> 06) <i>Mol Cell</i> 24, 63-7 007) <i>Mol Cell Biol</i> 2 70, R. (1991) <i>Mol Ce</i> 70, R. (1992) <i>Mol Ce</i> 07) <i>Eur J Neurosci</i> 2 994) <i>Neuron</i> 13, 12 195) <i>J Pharmacol Ex</i> tler, E.J. (1996) <i>Mol</i> 7) <i>J Neurosci</i> 17, 49	<i>iol</i> 11, 5470-8. <i>Cell</i> 64, 751-9. <i>em</i> 274, 1124-30. 5. 7, 3936-50. <i>Il Biol</i> 11, 2451-9. <i>Il Biol</i> 12, 5015-23. 5, 3009-19. 35-44. <i>p Ther</i> 275, 1671-80. <i>Pharmacol</i> 49, 636-45.		

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 nonfat dry milk, 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 Mk: Monkey
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