CREB (48H2) Rabbit mAb (Biotinylated)



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Applications: W	Reactivity: H M R Mk Dm	Sensitivity: Endogenous	MW (kDa): 43	Source/Isotype: Rabbit IgG	UniProt ID: #P16220	Entrez-Gene Id: 1385
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage				nM sodium phosphate (d 50% glycerol. Store at		
Specificity/Sensitivity		CREB (48H2) Rabbit mAb (Biotinylated) detects endogenous levels of total CREB protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human CREB protein.				
Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross reactivity as the unconjugated CREB (48H2) Rabbit mAb #9197.				
Background		is able to mediate sign of cellular responses. the nervous system. Of proliferation, neurite of Additionally, CREB sign to selectively activate partners. CREB is active	nals from numerou While CREB is expro REB is believed to poutgrowth, and neu naling is involved in numerous downstro vated by phosphory ling. Some of the k	ctivates target genes thread the sphysiological stimuli, resessed in numerous tissue a key role in promoter and differentiation in a learning and memory it eam genes through intellation at Ser133 by varionases involved in phosp	esulting in regulation in the properties of the plays a large reting neuronal survive certain neuronal point several organisme ractions with differous signaling pathwords.	on of a broad array egulatory role in val, precursor pulations (1-3). s (4-6). CREB is able ent dimerization vays, including Erk,
Background References		1. Lonze, B.E. et al. (2002) <i>Neuron</i> 34, 371-85. 2. Lee, M.M. et al. (1999) <i>J Neurosci Res</i> 55, 702-12. 3. Redmond, L. et al. (2002) <i>Neuron</i> 34, 999-1010. 4. Dash, P.K. et al. (1990) <i>Nature</i> 345, 718-21. 5. Yin, J.C. et al. (1994) <i>Cell</i> 79, 49-58. 6. Guzowski, J.F. and McGaugh, J.L. (1997) <i>Proc Natl Acad Sci USA</i> 94, 2693-8. 7. Xing, J. et al. (1998) <i>Mol Cell Biol</i> 18, 1946-55. 8. Ribar, T.J. et al. (2000) <i>J Neurosci</i> 20, RC107. 9. Tan, Y. et al. (1996) <i>EMBO J</i> 15, 4629-42.				
Species Peactivit		Coorios vonetivituris de	starmin ad by tactin	n in at least one annrow	ad application (a.g.	western blot)

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 W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey Dm: D. melanogaster

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