Phospho-FRA1 (Ser265) Antibody



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit	UniProt ID: #P15407	Entrez-Gene Id: 8061
Product Usage Information		ApplicationDilutionWestern Blotting1:1000Immunoprecipitation1:50				
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		Phospho-FRA1 (Ser265) Antibody detects endogenous levels of FRA1 protein only when phosphorylated on Ser265. This antibody also shows minor cross-reactivity with phospho-FRA2 and phospho-c-Fos, but does not cross-react with phospho-FosB.				
Species predicted to react based on 100% sequence homology		Monkey, Bovine, Horse				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to Ser265 of the human FRA1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		antigen 2 (FRÁ2) (1). W isoforms: full-length Fc amino acids (1-3). The extracellular stimuli, in and stress. Fos protein (AP-1), a transcription f proteins contain the le binds to DNA. The varigenes. In addition to ir to extracellular stimuli Ser32 and Thr232 by EFRA1 at Ser252 and Secancer cells (6). Followi fibroblasts is immediat FRA1 and FRA2 express growing cells (8). Dereg	hile most Fos prote osB and a shorter fe expression of Fos pool cluding growth fact is dimerize with Jur factor that binds to ucine-zipper motif ous Fos/Jun hetero creased expressio may further increa rk5 increases prote r265 by Erk1/2 increa ing growth factor see, but very short-lies ison persists longe gulated expression	udes c-Fos, FosB, Fos-releins exist as a single isoform, FosB2 (Delta FosB) orm, FosB2 (Delta FosB) ortoteins is rapidly and tractors, cytokines, neurotraptors, cytokines, neurotraptors, proteins (c-Jun, JunB, and TRE/AP-1 elements and that mediates dimerizardimers differ in their about the seases transcriptional activitien stability and nuclear eases protein stability attimulation, expression cyed, with protein levels r, and appreciable levels of c-Fos, FosB, or FRA2 s the ability to transform	form, the FoSB proto, which lacks the caransiently induced be ansmitters, polyper and JunD) to form Add activates transcription and an adjacer illity to transactivate os proteins by Erk key (4-6). Phosphory localization (5). Phond leads to overexpose fosB and c-Fos in dissipating after sees can be detected in can result in neople	ein exists as two rboxy-terminal 101 ya variety of otide hormones, ctivator Protein-1 tion. Fos and Jun it basic domain that e AP-1 dependent inases in response ation of c-Fos at sphorylation of oression of FRA1 in quiescent veral hours (7). asynchronously
Background References		 Tulchinsky, E. (2000) Histol Histopathol 15, 921-8. Dobrazanski, P. et al. (1991) Mol Cell Biol 11, 5470-8. Nakabeppu, Y. and Nathans, D. (1991) Cell 64, 751-9. Rosenberger, S.F. et al. (1999) J Biol Chem 274, 1124-30. Sasaki, T. et al. (2006) Mol Cell 24, 63-75. Basbous, J. et al. (2007) Mol Cell Biol 27, 3936-50. Kovary, K. and Bravo, R. (1991) Mol Cell Biol 11, 2451-9. Kovary, K. and Bravo, R. (1992) Mol Cell Biol 12, 5015-23. 				

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 IP: Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse R: Rat

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