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c-Fos (9F6) Rabbit mAb (PE Conjugate) Cell Signaling TECHNOLOGY® Orders: 877-616-CELL (2355)

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reactiv FC-FP H M F		UniProt ID:Entrez-Gene Id:#P011002353
Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide a antibodies. Protect from light. Do not freeze.	and 2 mg/ml BSA. Store at 4°C. Do not aliquot the
Specificity / Sensitivity	c-Fos (9F6) Rabbit mAb (PE Conjugate) recognizes end does not cross-react with other Fos proteins, including F	
Species predicted to react based on 100% sequence homology:	Hamster, Bovine, Pig	
Source / Purification	Monoclonal antibody is produced by immunizing animals residues near the amino terminus of human c-Fos protei	
Product Description	This Cell Signaling Technology antibody is conjugated to flow cytometry analysis in human cells. The antibody is e reactivity as the unconjugated c-Fos (9F6) Rabbit mAb #	expected to exhibit the same species cross-
Background	The Fos family of nuclear oncogenes includes c-Fos, Fo antigen 2 (FRA2) (1). While most Fos proteins exist as a isoforms: full-length FosB and a shorter form, FosB2 (De amino acids (1-3). The expression of Fos proteins is rapi extracellular stimuli, including growth factors, cytokines, stress. Fos proteins dimerize with Jun proteins (c-Jun, Ju a transcription factor that binds to TRE/AP-1 elements at contain the leucine-zipper motif that mediates dimerization DNA. The various Fos/Jun heterodimers differ in their at addition to increased expression, phosphorylation of Fos extracellular stimuli may further increase transcriptional and Thr232 by Erk5 increases protein stability and nucle Ser252 and Ser265 by Erk1/2 increases protein stability cells (6). Following growth factor stimulation, expression immediate, but very short-lived, with protein levels dissip expression persists longer, and appreciable levels can b Deregulated expression of c-Fos, FosB, or FRA2 can res Delta FosB lacks the ability to transform cells (2,3).	a single isoform, the FosB protein exists as two elta FosB), which lacks the carboxy-terminal 101 idly and transiently induced by a variety of neurotransmitters, polypeptide hormones, and unB, and JunD) to form Activator Protein-1 (AP-1), nd activates transcription. Fos and Jun proteins on and an adjacent basic domain that binds to bility to transactivate AP-1 dependent genes. In s proteins by Erk kinases in response to activity (4-6). Phosphorylation of c-Fos at Ser32 ear localization (5). Phosphorylation of FRA1 at and leads to overexpression of FRA1 in cancer of FosB and c-Fos in quiescent fibroblasts is bating after several hours (7). FRA1 and FRA2 e detected in asynchronously growing cells (8).
Background References	 Tulchinsky, E. (2000) <i>Histol Histopathol</i> 15, 921-8. Dobrazanski, P. et al. (1991) <i>Mol Cell Biol</i> 11, 5470-8. Nakabeppu, Y. and Nathans, D. (1991) <i>Cell</i> 64, 751-9. Rosenberger, S.F. et al. (1999) <i>J Biol Chem</i> 274, 1124 Sasaki, T. et al. (2006) <i>Mol Cell</i> 24, 63-75. Basbous, J. et al. (2007) <i>Mol Cell Biol</i> 27, 3936-50. Kovary, K. and Bravo, R. (1991) <i>Mol Cell Biol</i> 11, 2452 Kovary, K. and Bravo, R. (1992) <i>Mol Cell Biol</i> 12, 5015 	4-30. 1-9.

1/1/24, 7:17 AM	c-Fos (9F6) Rabbit mAb (PE Conjugate) (#14609) Datasheet Without Images Cell Signaling Technology
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Ke	 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
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