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p27 Kip1 (D69C12) XP[®] Rabbit mAb (PE Conjugate)

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

Applications: FC-FP	Reactivity: H R Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P46527	Entrez-Gene Id: 1027
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Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.	
Specificity/Sensitivity	p27 Kip1 (D69C12) XP [®] Rabbit mAb (PE Conjugate) detects endogenous levels of total p27 Kip1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human p27 Kip1 protein.	
Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated p27 Kip1 (D69C12) XP [®] Rabbit mAb #3686.	
Background	p27 Kip1 is a member of the Cip/Kip family of cyclin-dependent kinase inhibitors. Like its relatives, p57 Kip2 and p21 Waf1/Cip1, the ability to enforce the G1 restriction point is derived from its inhibitory binding to CDK2/cyclin E and other CDK/cyclin complexes. Expression levels of p27 are upregulated in quiescent cells and in cells treated with cAMP or other negative cell cycle regulators. Downregulation of p27 can be induced by treatment with interleukin-2 or other mitogens; this involves phosphorylation of p27 and its degradation by the ubiquitin-proteasome pathway (1-4).	
Background References	<ol style="list-style-type: none"> Lloyd, R.V. et al. (1999) <i>Am J Pathol</i> 154, 313-23. Polyak, K. et al. (1994) <i>Genes Dev</i> 8, 9-22. Kato, J.Y. et al. (1994) <i>Cell</i> 79, 487-96. Vlach, J. et al. (1997) <i>EMBO J</i> 16, 5334-44. 	
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 Key	H: Human R: Rat Mk: Monkey	
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