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#5166

EAPP (1E4) Mouse mAb

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

Applications: W, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Mouse IgG1	UniProt ID: #Q56P03	Entrez-Gene Id: 55837
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Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunofluorescence (Immunocytochemistry)	1:800
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/Sensitivity	EAPP (1E4) Mouse mAb detects endogenous levels of total EAPP protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a recombinant amino-terminal fragment of human EAPP protein.	
Background	Regulation of the E2F family of transcription factors, primarily through the retinoblastoma protein (pRb), is vital for control of cell proliferation and cell death (reviewed in 1). E2F-associated phosphoprotein (EAPP) was identified as an E2F-family binding protein that modulates E2F-regulated transcription and may be required for S phase entry. EAPP is expressed at varied levels in all tissues and cell types examined and its expression is reduced in nocodazole-arrested cells (2). Mass spectrometry studies have identified multiple EAPP phosphorylation sites including Ser109 and Ser111, but biological consequences of EAPP phosphorylation have yet to be elucidated (3-5).	
Background References	<ol style="list-style-type: none"> 1. Polager, S. and Ginsberg, D. (2008) <i>Trends Cell Biol</i> 18, 528-35. 2. Novy, M. et al. (2005) <i>Mol Biol Cell</i> 16, 2181-90. 3. Dephoure, N. et al. (2008) <i>Proc Natl Acad Sci U S A</i> 105, 10762-7. 4. Mayya, V. et al. (2009) <i>Sci Signal</i> 2, ra46. 5. Olsen, J.V. et al. (2006) <i>Cell</i> 127, 635-48. 	

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 IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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