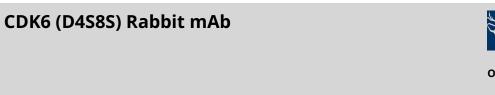
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Applications: W, W-S, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 36	Source/Isotype: Rabbit IgG	UniProt ID: #Q00534	Entrez-Gene Id: 1021		
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation Immunofluorescence	(Immunocytochem	istry)		Dilution 1:1000 1:10 - 1:50 1:50 1:50		
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/Sen	sitivity	CDK6 (D4S8S) Rabbit mAb recognizes endogenous levels of total CDK6 protein. This antibody does not cross-react with other CDK proteins.						
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human CDK6 protein.						
Background		The cyclin-dependent kinases form complexes with their cyclin partners and with CDK inhibitors. CDK6 and CDK4 associate with the D-type cyclins and target the retinoblastoma protein, allowing passage through the G1/S phase restriction point (1). CDK6/cyclin D complexes are sequestered in their inactive form through binding to one of the INK4 CDK inhibitor family members (2,3). Unlike the INK4 family of CDK inhibitors, the CDK inhibitor p21 Waf1/Cip1 may enhance the association of CDK4 and CDK6 with their cyclin D partners (4).						
Background Re	eferences	1. Lukas, J. et al. (1996) 2. Hirai, H. et al. (1995) 3. Pestell, R.G. et al. (19 4. Flores-Rozas, H. et a	<i>Mol Cell Biol</i> 15, 2 999) <i>Endocr Rev</i> 20	672-81.).			
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g.,	western blot).		
Western Blot B	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 K	ey	W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivit	ty Key	H: Human Mk: Monke	y					
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