#77055 Store at -20C

cdc2 Antibody



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Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 34	Source: Rabbit	UniProt ID: #P06493	Entrez-Gene Id: 983	
Product Usage Information	Ap	Application			Dilution		
	We	estern Blotting			1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at $-$ 20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		cdc2 Antibody detects endogenous levels of total cdc2 protein.					
Source / Purificat	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp289 of human cdc2. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	sevi regu at T out	eral steps including ulatory step in activa hr14 and Tyr15 (2). by Wee1 and Myt1	regulated by cdc2 kinase activation, a process controlled at phosphorylation of cdc2 at Thr161 (1). However, the critical ogression into mitosis appears to be dephosphorylation of cdc2 Thr14 and Tyr15, resulting in inhibition of cdc2, can be carried by). The cdc25 phosphatase may be responsible for removal of quent activation of cdc2 (1,5).				
Background Refe	1. Atherton-Fessler, S. et al. (1994) <i>Mol Biol Cell</i> 5, 989-1001. 2. Norbury, C. et al. (1991) <i>EMBO J</i> 10, 3321-9. 3. McGowan, C.H. and Russell, P. (1993) <i>EMBO J</i> 12, 75-85. 4. Wells, N.J. et al. (1999) <i>J Cell Sci</i> 112 (Pt 19), 3361-71. 5. Hunter, T. (1995) <i>Cell</i> 80, 225-36.						

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

WB: Western Blotting

Cross-Reactivity Key

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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