e at -20C	cdc2 Antibody	tibody Cell Sign	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
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For Research Use Only. Not for Use in Diagnostic Procedures.

Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 34	Source: Rabbit	UniProt ID: #P06493	Entrez-Gene Id 983	
F	pplication			Dilution		
V	Vestern Blotting			1:1000		
	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.					
	cdc2 Antibody detects endogenous levels of total cdc2 protein. Based on sequence similarity, the antibody may cross-react with CDK2 and CDK3.					
re	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Tyr15 of human cdc2. Antibodies are purified by protein A and peptide affinity chromatography.					
se re at ou	everal steps including gulatory step in activa Thr14 and Tyr15 (2). It by Wee1 and Myt1	cyclin binding and μ ating cdc2 during pr Phosphorylation at protein kinases (3,4	bhosphorylation of c ogression into mitos Thr14 and Tyr15, re). The cdc25 phosp	dc2 at Thr161 (1). Howe sis appears to be dephose esulting in inhibition of co hatase may be respons	ever, the critical sphorylation of cdc2 dc2, can be carried	
2. 3. 4.	Norbury, C. et al. (19 McGowan, C.H. and Wells, N.J. et al. (199	91) <i>EMBO J</i> 10, 33 Russell, P. (1993) E 99) <i>J Cell Sci</i> 112 (1	21-9. EMBO J 12, 75-85.			
ty Sp	ecies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).	
		NT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, en® 20 at 4°C with gentle shaking, overnight.				
, w	B: Western Blotting					
X:	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					
All	other trademarks are					
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apj Cu tha end	proved, cleared, or lic stomer shall not use a t conflicts with its labe d-user and solely for r	ensed by the FDA c any Product for any eling statement. Pro esearch and develo	or other regulatory for diagnostic or therap ducts sold or licens opment uses. Any us	preign or domestic entity peutic purpose, or other ed by CST are provided se of Product for diagno	, for any purpose. vise in any manner for Customer as the stic, prophylactic or	
	HMR A V Sitivity tion Prences ty Sp ffer M Key H Key H Ce All info Ce All info Prences Pre	H M REndogenousApplication Western BlottingSupplied in 10 mM sodi 20°C. Do not aliquot the cdc2 Antibody detects of may cross-react with CltionPolyclonal antibodies a residues surrounding Ty chromatography.The entry of eukaryotic several steps including regulatory step in activa at Thr14 and Tyr15 (2). out by Wee1 and My11 phosphates at Thr14 arerences1. Atherton-Fessler, S. G. 2. Norbury, C. et al. (19) 3. McGowan, C.H. and 4. Wells, N.J. et al. (1995) CeltySpecies reactivity is detect 0.1% Tween® 20 at 4°CtySpecies reactivity is detect 0.1% Tween® 20 at 4°CtyCell Signaling Technolog All other trademarks are information.KeyH: human M: mouse R: X: Xenopus Z: zebrafish GP: Guinea Pig Rab: raCell Signaling Technolog All other trademarks are information.Except as otherwise exp following terms apply to conditions that are in ad writing by a legally author Products are labeled wit approved, cleared, or lic Customer shall not use at that conflicts with its lable end-user and solely for rest	HMR Endogenous 34 Application Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5 20°C. Do not aliquot the antibody. sitivity cdc2 Antibody detects endogenous levels of may cross-react with CDK2 and CDK3. tion Polyclonal antibodies are produced by imm residues surrounding Tyr15 of human cdc2 chromatography. The entry of eukaryotic cells into mitosis is several steps including cyclin binding and p regulatory step in activating cdc2 during pr at Thr14 and Tyr15 (2). Phosphorylation at out by Wee1 and Myt1 protein kinases (3.4 phosphates at Thr14 and Tyr15 and subset erences 1. Atherton-Fessler, S. et al. (1994) <i>Mol Bio</i> 2. Norbury, C. et al. (1994) <i>J Cell Sci</i> 112 (15 5. Hunter, T. (1995) <i>Cell</i> 80, 225-36. ty Species reactivity is determined by testing in 0.1% Tween® 20 at 4°C with gentle shaking WB: Western Blotting WB: Western Blotting Key H: human M: mouse R: rat Hm: hamster MM X: Xenopus Z: zebrafish B: bovine Dg: dog GP: Guinea Pig Rab: rabbit All: all species Cell Signaling Technology is a trademark of All other trademarks are the property of thei information. Except as otherwise expressly agreed in a v following terms apply to Products provided I conditions that are in addition to, or differen writing by a legally authorized representativ. Products are labeled with For Research Usa approved, cleared, or licensed by the FDA c customer shall not use any Product for any ustac conflicts with its labeling statement. Pro end-user and solely f	H M R Endogenous 34 Rabbit Application Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 10 20°C. Do not aliquot the antibody. cdc2 Antibody detects endogenous levels of total cdc2 protein may cross-react with CDK2 and CDK3. tion Polyclonal antibodies are produced by immunizing animals wit residues surrounding Tyr15 of human cdc2. Antibodies are pur chromatography. The entry of eukaryotic cells into mitosis is regulated by cdc2 is several steps including cyclin binding and phosphorylation of c regulatory step in activating cdc2 during progression into mitos at Thr14 and Tyr15 (2). Phosphorylation at Thr14 and Tyr15, re out by Wee1 and My11 protein kinases (3,4). The cdc25 phosp phosphates at Thr14 and Tyr15 and subsequent activation of cerences 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. try Species reactivity is determined by testing in at least one appropriate try for their respective owners information. Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cere GP: Guinea Pig Rab: rabbit All: all species expected Cell Signaling Technology is a trademark of Cell Signaling Tech All other trademarks are the	H M R Endogenous 34 Rabbit #P06493 Application Dilution Western Blotting 1:1000 Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% g 20°C. Do not aliquot the antibody. cdc2 Antibody detects endogenous levels of total cdc2 protein. Based on sequence sir may cross-react with CDK2 and CDK3. Polyclonal antibodies are produced by immunizing animals with a synthetic peptide cor residues surrounding Tyr15 of human cdc2. Antibodies are purified by protein A and pe chromatography. The entry of eukaryotic cells into mitosis is regulated by cdc2 kinase activation, a proce several steps including cyclin binding and phosphorylation of cdc2 at Thr161 (1). Hower regulatory step in activating cdc2 during progression into mitosis appears to be dephose at Thr14 and Tyr15 (2). Phosphorylation at Thr14 and Tyr15, resulting in inhibition of co out by Weel and MYt1 protein kinases (3, 4). The cdc2 bhosphatase may be response phosphates at Thr14 and Tyr15 and subsequent activation of cdc2 (1,5). 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 Sof</i> 112 (Pt 19), 3361-71. 5. Humen ^T C western Blotting fter IMPORTANT: For western blots, incubate membrane with diluted primary antibod	

cdc2 Antibody (#9112) Datasheet Without Images Cell Signaling Technology

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