2028

Phospho-cdc25C (Thr48) (D2H3) Rabbit



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Applications: W, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 75	Source/Isotype: Rabbit IgG	UniProt ID: #P30307	Entrez-Gene Id: 995
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochem	istry)		Dilution 1:1000 1:100 1:300
Storage), 150 mM NaCl, 100 µg/ ot aliquot the antibody.	/ml BSA, 50% glyce	rol and less than
Specificity/Sens	sitivity	Phospho-cdc25C (Thr4 when phosphorylated		Ab recognizes endogen	ous levels of cdc25	C protein only
Species predict based on 100% homology		Monkey				
Source / Purific	ation			unizing animals with a s hr48 of human cdc25C p		peptide
Background		regulating the entry of Ser216 throughout inte at the G2/M checkpoin family of proteins, sequ The checkpoint kinases (4,5). Full activation of cdc25 Polo-like kinase, and th domain that binds pho isomerization at phosp	all eukaryotic cells erphase by c-TAK1, t (2). When phosph uestering cdc25C ir s Chk1 and Chk2 ph C involves phosph e activity of Pin1, a spho-Ser/Thr-Pro so ho-Ser/Thr-Pro bo nen these sites are	ble for dephosphorylatin into mitosis (1). cdc25C while phosphorylation a orylated at Ser216, cdc2 in the cytoplasm and the nosphorylate cdc25C at a orylation at more than 1 a peptidyl-prolyl isomera- ites and a catalytic PPI in nds (8). Thr48 and Thr67 phosphorylated (9). Thr	is constitutively ph at this site is DNA d 25C binds to memb reby preventing pro Ser216 in response 2 different sites by ase (PPI) (6,7). Pin1 region that induces 7 of cdc25C interact	nosphorylated at amage-dependent ers of the 14-3-3 emature mitosis (3). to DNA damage cdc2/cyclin B and contains a WW a cis/trans
Background Re	ferences	4. Blasina, A. et al. (199 5. Furnari, B. et al. (199 6. Izumi, T. and Maller,	7) <i>Science</i> 277, 150 hphy, W.G. (1999) <i>G</i> 9) <i>Curr. Biol.</i> 9, 1-10 9) <i>Mol. Biol. Cell</i> 10 J.L. (1993) <i>Mol Biol</i> Kirschner, M.W. (20 97) <i>Science</i> 278, 19 <i>cience</i> 283, 1325-8.	1-1505. Genes Dev. 13, 1067-1072 D.), 833-845. <i>Cell</i> 4, 1337-50. D01) <i>Mol Cell</i> 7, 1071-83. 57-60.		
Species Reactiv	rity	Species reactivity is def	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications Ke	ey .	W: Western Blotting IP	: Immunoprecipita	tion IF-IC: Immunofluor	rescence (Immunoc	cytochemistry)
Cross-Reactivit	у Кеу	H: Human				

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