3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: Reacti WB, IP H		MW (kDa): 95	Source/Isotype: Rabbit IgG	UniProt ID: #P30291	Entrez-Gene Id: 7465
Product Usage Information	Application Western Blotting Immunoprecipitation			Dilution 1:1000 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 / Sensitivity	,	Phospho-Wee1 (Ser642) (D47G5) Rabbit mAb detects endogenous levels of wee1 protein only when phosphorylated at Ser642.			
Species predicted to react based on 100% sequence homology:	Mouse, Rat, Monkey, Xe	nopus, Zebrafis	h, Bovine		
Source / Purification	Monoclonal antibody is p residues surrounding Se	-	-	synthetic phosphopep	tide corresponding to
Background Background References	Entry of all eukaryotic ce step in activating cdc2 du (1,2). Phosphorylation at kinases, while Tyr15 dep (1,3,4). Hyperphosphoryl activated at the G2/M tra include cdc2, p90RSK, A Akt/PKB-dependent phos cytoplasmic and is assoc 1. Watanabe, N. et al. (19 2. Hunter, T. (1995) <i>Cell</i> 3 3. Galaktionov, K. et al. (19 5. Booher, R.N. et al. (199 6. Palmer, A. et al. (1998)	uring progressio Tyr15 and Thr1 hosphorylation a lation and inacti- nsition negative kt, and Plk1 (5- sphorylation at S ciated with G2/M 295) <i>EMBO J</i> 14 80, 225-36. 1995) <i>Genes De</i> cussell, P. (1993 97) <i>J Biol Chem</i>) <i>EMBO J</i> 17, 50	n into mitosis appears to 4 and inhibition of cdc2 and activation of cdc2 is vation of Myt1 in mitosis by regulates Myt1 activit 7). Ser642 promotes a char 1 arrest (8). 4, 1878-91. ev 9, 1046-58.) <i>EMBO J</i> 12, 75-85. 1 272, 22300-6. 037-47.	b be dephosphorylatio is carried out by Wee: carried out by the cdo suggests that one or y. Kinases shown to p	n of Tyr15 and Thr14 1 and Myt1 protein c25 phosphatase more kinases hosphorylate Myt1
	7. Nakajima, H. et al. (20 8. Katayama, K. et al. (20				
Species Reactivity	Species reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffer	IMPORTANT: For westerr 0.1% Tween® 20 at 4°C v			primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key	WB: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key	H: human M: mouse R: ra X: Xenopus Z: zebrafish I GP: Guinea Pig Rab : rab	B: bovine Dg: d	og Pg: pig Sc: S. cerevi		

Phospho-Wee1 (Ser642) (D47G5) Rabbit mAb (#4910) Datasheet Without Images Cell Signaling Technology

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1/24, 10.20 AM	riospho-weet (Ser042) (D47G5) Rabbit IIAb (#4910) Datasneet without images Cell Signaling Technol
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