	C1 Antibody				
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com		
62		Support:	877-678-TECH (8324)		
#3639		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danvers	Massachusetts 01923 USA		

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

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 70	Source: Rabbit	UniProt ID: #O43663	Entrez-Gene Id 9055			
Product Usage	Aŗ	plication			Dilution				
Information	We	estern Blotting			1:1000				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.							
Specificity / Sensit	ivity PR	PRC1 Antibody recognizes endogenous levels of total PRC1 protein.							
Source / Purificatio	resi	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly522 of human PRC1 protein. Antibodies are purified by protein A and peptide affinity chromatography.							
Background	mic whi lead mic mic	rotubule-associated ch maintains PRC1 ds to dephosphoryla rotubules, where it p	proteins, first description in an inactive, mon- tion of PRC1 and s promotes microtubu nctions of PRC1 pla	ibed in budding yea omeric state (2). Ce ubsequent KIF4-me le bundling by cross	MAP65/ASE1 family of ast (1,2). PRC1 is a subs II-cycle dependent degra diated translocation to t s-linking antiparallel mice naintaining structural inte	strate of CDK1, adation of CDK1 he plus ends of rotubules (3-5). The			
Background Refere	2. J 3. K 4. Z 5. S 6. N	 Pellman, D. et al. (1995) J Cell Biol 130, 1373-85. Jiang, W. et al. (1998) Mol Cell 2, 877-85. Kurasawa, Y. et al. (2004) EMBO J 23, 3237-48. Zhu, C. and Jiang, W. (2005) Proc Natl Acad Sci USA 102, 343-8. Subramanian, R. et al. (2010) Cell 142, 433-43. Mollinari, C. et al. (2002) J Cell Biol 157, 1175-86. Zhu, C. et al. (2006) Proc Natl Acad Sci USA 103, 6196-201. 							
Species Reactivity	Spee	cies reactivity is dete	ermined by testing i	ו at least one appro	ved application (e.g., we	estern blot).			
Western Blot Buffe		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 K	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaste 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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