Store at -20C

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RCC1 (D15H6) Rabbit mAb Cell Signaling TECHNOLOGY* Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com

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

Applications:	Reactivity:	Sensitivity:	MW (kDa): 45	Source/Isotype: Rabbit IgG	UniProt ID: #P18754	Entrez-Gene Id:
Product Usage Information		Application Western Blotting Immunofluorescence	(Immunocytochem	istry)	ml BSA 50% glycer	Dilution 1:1000 1:50
Storage		0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.				
Specificity/Sensitivity		RCC1 (D15H6) Rabbit mAb detects endogenous levels of total RCC1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to central residues of human RCC1 protein.				
Background Background Re	ferences	The Ras family small (spindle, and nuclear t inactive in its GDP-boo localization of guanin bound GDP for GTP. R is dynamically chroma proceed normally (4,5 terminal phosphoryla histone modifications at Ser11, possibly by o chromatin and RCC1 F 1. Quimby, B.B. and D 2. Hetzer, M. et al. (200 3. Moore, W. et al. (200 4. Ohtsubo, M. et al. (200 5. Li, H.Y. and Zheng, Y 6. Hutchins, J.R. et al. (200 7. Chen, T. et al. (200 8. Wong, C.H. et al. (200 9. Horiike, Y. et al. (200 10. Dephoure, N. et al. 11. Hood, E.F. and Cla	GTPase Ran is involver anasport (1,2). Like und form. Nuclear F e nucleotide exchar egulator of chroma atin-bound through b). Appropriate asso tion (5,6) and methy regulates nuclear i cyclin B/cdc2 (9-11). RanGEF activity (6). Passo, M. (2003) <i>Cur</i> 02) <i>Nat Cell Biol</i> 1, 14 1989) <i>J Cell Biol</i> 12, 14 1989) <i>J Cell Biol</i> 14, 19 02) <i>Curr Biol</i> 12, 14 1989) <i>J Cell Biol</i> 14, 19 02) <i>Nat Cell Biol</i> 14, 19 009) <i>Nat Cell Biol</i> 14, 19 009) <i>Nat Cell Biol</i> 14, 10 09) <i>Nat Cell Biol</i> 17, 14 10, 2008) <i>Proc Natl A</i> rke, P.R. (2007) <i>I Cell</i>	red in nuclear envelope f other small GTPases, Rar RanGTP concentration is the factor (GEF) activity, w tin condensation 1 (RCC ⁻ out the cell cycle, and thi ciation of RCC1 with chro ylation (7). RCC1 regulati mport during apoptosis This phosphorylation ma <i>r Opin Cell Biol</i> 15, 338-4 177-84. 42-7. , 1389-97. 18, 512-27. 1099-104. 5-603. , 36-45. 717-23. <i>cad Sci U S A</i> 105, 10762- <i>l Sci U S A</i> 105, 10762- <i>l Sci U S</i> 436-45.	ormation, assembly n is active in its GTP maintained throug which catalyzes the 1) is the only known is localization is req omatin is regulated on of RanGTP levels (8). In mitosis RCC1 ay play a role in RCC 4.	y of the mitotic -bound form and n nuclear exchange of RanGEF (3). RCC1 uired for mitosis to through amino- s in response to is phosphorylated C1 interaction with
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	d application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	tern blots, incubate at 4°C with gentles	membrane with diluted shaking, overnight.	primary antibody ir	ו 5% w/v BSA, 1X
Applications Ke	ey .	W: Western Blotting I	F-IC: Immunofluore	scence (Immunocytoche	emistry)	
Cross-Reactivit	Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey					
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