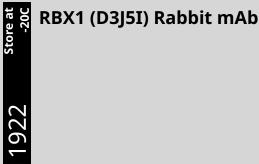
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Applications: W, IP, IHC-P	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 13	Source/Isotype: Rabbit IgG	UniProt ID: #P62877	Entrez-Gene Id: 9978		
Product Usage Information	2	Application Western Blotting Immunoprecipitation Immunohistochemistr	y (Paraffin)		Dilution 1:1000 1:50 1:1200 - 1:480	00		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less th 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ol and less than		
		For a carrier free (BSA and azide free) version of this product see product #66552.						
Specificity/Sensitivity		RBX1 (D3J5I) Rabbit mAb recognizes endogenous levels of total RBX1 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human RBX1 protein.						
Background		RING-box protein 1 (RBX1 or ROC1) is an essential component of two distinct but structurally related E3 ubiquitin ligase complexes, the SCF complex and the CBC (VHL) complex (1). RBX1 mediates the neddylation of CUL1, which activates SCF E3 ligase by facilitating the ubiquitin transfer from E2 to substrates (2-4). The RING finger domain of RBX1 is required for ubiquitin ligation (5). Two evolutionarily conserved mammalian RBX family members, RBX1/ROC1 and RBX2/ROC2/SAG, have been identified (5). RBX1 is constitutively expressed and binds to CUL2/VHL, while stress-inducible RBX2 binds to CUL5/SOCS (6).						
Background Ro	eferences	1. Zheng, N. et al. (2002) <i>Nature</i> 416, 703-9. 2. Kamura, T. et al. (1999) <i>Genes Dev</i> 13, 2928-33. 3. Morimoto, M. et al. (2003) <i>Biochem Biophys Res Commun</i> 301, 392-8. 4. Pan, Z.Q. et al. (2004) <i>Oncogene</i> 23, 1985-97. 5. Sun, Y. et al. (2001) <i>Antioxid Redox Signal</i> 3, 635-50. 6. Gu, Q. et al. (2007) <i>Cancer Res</i> 67, 3616-25.						
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot E	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				n 5% w/v nonfat		
Applications K	ey	W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)				n)		
Cross-Reactivit	ty Key	H: Human M: Mouse R: Rat Mk: Monkey						
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