Revision 1	
UbcH5C (D60E2) Rabbit mAb	
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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 14	Source/Isotype: Rabbit IgG	UniProt ID: #P61077	Entrez-Gene Io 7323	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
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/Sen	sitivity	UbcH5C (D60E2) Rabbit mAb detects endogenous levels of total UbcH5C protein.					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp135 of human UbcH5C protein.					
Background		enzymes. Ubiquitin is f enzyme. The activated enzyme. The final step the target protein, a tra expressed E2 ubiquitin UbcH5A and UbcH5B (2 number of signaling pa PCNA, the IxB kinase p revealed increased exp adenomas (7,8), while a	irst activated thro ubiquitin is then t is the transfer of t ansfer mediated b conjugating enzy 2). Evidence sugge athways by catalyz rotein NEMO, and oression of UbcH50 an RNAi screen rev	erted action of the E1, E2 ugh an ATP-dependent f ransferred to a thiol-gro ubiquitin from E2 to an e y ubiquitin-conjugating me and member of the 1 ests that UbcH5C plays a ing the ubiquitination o the apoptosis inhibitor C in meibomian cell carc veals diffrential Ubc5HC C in cell cycle control an	ormation of a thiol up of an E2 ubiquit -amino group of a enzyme E3 (1). Ubc UbcH5 family that a n important role in f key target protein BRUCE (3-6). Gene e inoma and oncocyt in acute promyeloc	ester with an E1 in-conjugation ysine residue on H5C is a universally Iso includes regulating a s, including p53, expression profiles ic thyroid	
Background Re	eferences	 Hershko, A. (1988) <i>J Biol Chem</i> 263, 15237-40. Jensen, J.P. et al. (1995) <i>J Biol Chem</i> 270, 30408-14. Saville, M.K. et al. (2004) <i>J Biol Chem</i> 279, 42169-81. Zhang, S. et al. (2008) <i>Cell Cycle</i> 7, 3399-404. Tang, E.D. et al. (2003) <i>J Biol Chem</i> 278, 37297-305. Qiu, X.B. et al. (2004) <i>EMBO J</i> 23, 800-10. Hattori, H. et al. (2007) <i>Blood</i> 110, 640-50. Kumar, A. et al. (2005) <i>J Clin Endocrinol Metab</i> 90, 2314-20. 					
Species Reactiv	vity	Species reactivity is def	termined by testin	g in at least one approv	ed application (e.g.,	western blot).	
Western Blot B	Buffer	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 K	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	ty Key	H: Human M: Mouse R: Rat Mk: Monkey					
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