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Ubc12 Antibody	Ce T E	Cell Signaling	
Store at	Orders:	877-616-CELL (2355) orders@cellsignal.com	
က	Support:	877-678-TECH (8324)	
#4913	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers Mas	sachusetts 01923 USA	

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

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 21	Source: Rabbit	UniProt ID: #P61081	Entrez-Gene Id: 9040		
Product Usage Information	-	plication estern Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity / Sens	itivity Ubc	Ubc12 Antibody detects endogenous levels of total Ubc12 protein.						
Source / Purificat		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding K36 of human Ubc12. Antibodies are purified by peptide affinity chromatography.						
Background	of N is U NEL base pror cont sign sign sign 2. H 2. H 3. Li 4. G 5. W 6. S 7. K 8. P 9. W 10. A	EDD8-specific E1 (bc12 (3-5). Ubc12 f DD8 from E1 to lysin ed RING E3 ligases noting its interaction taining β TrCP and S aling targets such a aling cascades, and uang, D.T. et al. (20 akopoulos, D. et al. ong, L. and Yeh, E. /ada, H. et al. (2000 akata, E. et al. (2000 awakami, T. et al. (20 odust, V.N. et al. (20 /u, K. et al. (2002) J mir, R.E. et al. (2000)	activating)- and E2 forms a heterodiment in side chains of tai s. Neddylation of cu in with a cognate ub SKP2 has been sho as IkB, NF-kB, and d developmental pri (1998) <i>Mol Cell</i> 17, 34 (1998) <i>EMBO J</i> 17 T. (1998) <i>EMBO J</i> 17 T. (1999) <i>J Biol Chet</i> (1998) <i>EMBO J</i> 17 <i>J Biol Chem</i> 275, 17) <i>Nat Struct Mol B</i> (2001) <i>EMBO J</i> 20, 4 (2001) <i>EMBO J</i>	 ¹⁸ is covalently linked to target proteins through an enzymatic cascade composed tivating)- and E2 (conjugating)-enzymes (1,2). The E2 ligase specific for NEDD8 ms a heterodimeric conjugate with NEDD8 in order to catalyze the transfer of side chains of target proteins (1,2). Well known targets of NEDD8 are cullin-leddylation of cullin isoforms activates the related ubiquitin E3 complex by <i>v</i>ith a cognate ubiquitin-E2 ligase (6-7). Neddylation of Cul-1 complexes P2 has been shown to be required for controlling the stability of important IkB, NF-kB, and p27 Kip (8-10), thereby regulating cell cycle progression, levelopmental programming processes (11). <i>P</i>) <i>Nature</i> 445, 394-8. <i>Biol Chem</i> 274, 12036-42. <i>Biol Chem</i> 275, 17008-15. <i>Nat Struct Mol Biol</i> 14, 167-8. <i>D</i>) <i>Proc Natl Acad Sci USA</i> 97, 4579-84. <i>iol Chem</i> 277, 516-27. <i>J Biol Chem</i> 277, 23253-9. <i>P</i>) <i>Circ Res</i> 100, 1276-91. 				
Species Reactivit	y Spec	ies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).		
Western Blot Buf			n blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, with gentle shaking, overnight.					
Applications Key	WB	Western Blotting						
Cross-Reactivity	X: Xe	enopus Z: zebrafish	B: bovine Dg: dog	t Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster : bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse it All: all species expected				
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Ubc12 Antibody (#4913) Datasheet Without Images Cell Signaling Technology

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