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Ubiquitin (P4D1) Mouse mAb (HRP Conjugate)

Applications: WB	Reactivity: All	Sensitivity: Endogenous	Source/Isotype: Mouse IgG1	UniProt ID: #P62987, #P0CG48, #P0CG47, #P62979	Entrez-Gene Id: 7311, 7316, 7314, 6233	
Product Usage Information	••	plication stern Blotting		Dilution 1:1000		
Storage			aCl, 2.6 mM KCl, 12 mM sod –20°C. Do not aliquot the an	dium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and ntibodies.		
Specificity / Sensi			e mAb (HRP Conjugate) det s-react with recombinant NE		iquitin, polyubiquitin, and ubiquitinated proteins.	
Source / Purificati	ion Mon	Monoclonal antibody is produced by immunizing animals with 1-76 full-length bovine ubiquitin.				
Product Descripti	pero	This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. The HRP conjugated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Ubiquitin (P4D1) Mouse mAb #3936.				
Background	Ubiq prote ubiq com from The in dis to be	uitin can be covale eins for degradation uitin conjugation pr ponent E1; the acti E2 to ubiquitin liga ubiquitin-proteason sease-related abno e targets for the ub	ently linked to many cellular n by the 26S proteasome. The rocess. Ubiquitin is first active vated ubiquitin is subsequer ase E3 for final delivery to the me pathway has been implice prmalities. Several proteins s	an important role in the ubiquitin-pr proteins by the ubiquitination process hree components are involved in the ated by forming a thiolester comple- ntly transferred to the ubiquitin-carrie e epsilon-NH ₂ of the target protein I ated in a wide range of normal biolo- such as IkB, p53, cdc25A, and Bcl-2 as part of regulation of cell cycle pro- (4-7).	es, which targets e target protein- x with the activation er protein E2, then ysine residue (1-3). ogical processes and have been shown	
Background Refe	2. Ho 3. Ho 4. Be 5. At 6. Sa	ochstrasser, M. (20 ochstrasser, M. (20 ernardi, R. et al. (20 oerle, H. et al. (199 alomoni, P. and Pa	 (a) EMBO J 17, 7151-60. (b) Nat Cell Biol 2, E153-7. (b) Science 289, 563-4. (b) Oncogene 19, 2447-54. (c) EMBO J 16, 3797-804. (c) ndolfi, P.P. (2002) Nat Cell B (c) Jentsch, S. (2002) Nat Rev 	iol 4, E152-3.		
Species Reactivity	y Speci	ies reactivity is det	ermined by testing in at leas	t one approved application (e.g., we	stern blot).	
Western Blot Buff			rn blots, incubate membrane en® 20 at 4°C with gentle s	e with diluted primary antibody in 5% haking, overnight.	6 w/v nonfat dry	
Applications Key	WB:	Western Blotting				
Cross-Reactivity I	X: Xe	nopus Z: zebrafish		ey Vir: virus Mi: mink C: chicken Dr Sc: S. cerevisiae Ce: C. elegans H d		
Trademarks and Patents	All oth		gy is a trademark of Cell Sig the property of their respec	naling Technology, Inc. tive owners. Visit cellsignal.com/trac	demarks for more	

Ubiquitin (P4D1) Mouse mAb (HRP Conjugate) (#14049) Datasheet Without Images Cell Signaling Technology

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