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## Phospho-Ubiquitin (Ser65) (E2J6T) Rabbit



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

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P62987, #P0CG48, #P0CG47, #P62979	Entrez-Gene Id: 7311, 7316, 7314, 6233
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:100
Storage		Supplied in 10 mM sodium 0.02% sodium azide. Store			A, 50% glycerol, and less than
		For a carrier free (BSA and	azide free) version of	this product see produc	t #54794.
Specificity/Sensitivity		Phospho-Ubiquitin (Ser65) (E2J6T) Rabbit mAb recognizes endogenous levels of Ubiquitin protein only when phosphorylated at Ser65.			
Species predicted based on 100% se homology		Mouse, Rat			
Source / Purificat	ion	Monoclonal antibody is pro corresponding to residues			
Background		which targets proteins for target protein-ubiquitin co complex with the activation ubiquitin-carrier protein E2 the target protein lysine re wide range of normal biolo as IkB, p53, cdc25A, and B6 part of regulation of cell cy Ubiquitin is phosphorylate 9). PINK1 accumulates on o	covalently linked to n degradation by the 2 njugation process. Ul n component E1; the 2, then from E2 to ubi sidue (1-3). The ubiqu ogical processes and i cl-2 have been shown vcle progression, diffe d at Ser65 by PINK1, depolarized mitochor then triggers the mit	nany cellular proteins by 65 proteasome. Three co biquitin is first activated activated ubiquitin is sub quitin ligase E3 for final uitin-proteasome pathwa in disease-related abnorn to be targets for the ubi prentiation, cell stress res leading to activation of the dria, resulting in phosph pophagy pathway to clear	the ubiquitination process, imponents are involved in the by forming a thiolester osequently transferred to the delivery to the epsilon-NH <sub>2</sub> of ay has been implicated in a malities. Several proteins such quitin-proteasome process as ponse, and apoptosis (4-7). the E3 ubiquitin ligase Parkin (8, norylation of ubiquitin and damaged mitochondria. Loss-
Background Refe	rences	1. Ciechanover, A. (1998) <i>El</i> 2. Hochstrasser, M. (2000) . 3. Hochstrasser, M. (2000) . 4. Bernardi, R. et al. (2000) 5. Aberle, H. et al. (1997) <i>El</i> 6. Salomoni, P. and Pandol 7. Jesenberger, V. and Jents 8. Kane, L.A. et al. (2014) <i>J</i> 9. Koyano, F. et al. (2014) A 10. Kitada, T. et al. (1998) A 11. Valente, E.M. et al. (200	Nat Čell Biol 2, E153-7 Science 289, 563-4. Oncogene 19, 2447-5 MBO J 16, 3797-804. fi, P.P. (2002) Nat Cell sch, S. (2002) Nat Rev Cell Biol 205, 143-53. Iature 510, 162-6. Nature 392, 605-8.	54. Biol 4, E152-3. Mol Cell Biol 3, 112-21.	
Species Reactivity	/	Species reactivity is determ	nined by testing in at	least one approved appli	ication (e.g., western blot).
Western Blot Buf	fer	IMPORTANT: For western b TBS, 0.1% Tween® 20 at 4°			y antibody in 5% w/v BSA, 1X

Applications Key	W: Western Blotting IP: Immunoprecipitation			
Cross-Reactivity Key	H: Human			
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