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999

K63-linkage Specific Polyubiquitin (D7A11) Rabbit mAb



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

••	ctivity: Sensitivity: All Endogenous	Source/Isotype: Rabbit IgG		
Product Usage Information	Application Western Blotting		Dilution 1:1000	
Storage		dium HEPES (pH 7.5), 150 mM N Store at –20°C. Do not aliquot the	aCl, 100 μg/ml BSA, 50% glycerol and less than antibody.	
Specificity / Sensitivity	÷ .	K63-linkage Specific Polyubiquitin (D7A11) Rabbit mAb detects polyubiquitin chains formed by Lys63 residue linkage. It does not react with monoubiquitin or polyubiquitin chains formed by linkage to a different lysine residue.		
Source / Purification	-	s produced by immunizing animal he Lys63 branch of the human di	s with a synthetic peptide corresponding to ubiquitin chain.	
Background	Ubiquitin can be coval proteins for degradatio ubiquitin conjugation p component E1; the act from E2 to ubiquitin lig The ubiquitin-proteaso in disease-related abn to be targets for the ub differentiation, cell stre	ently linked to many cellular prote on by the 26S proteasome. Three process. Ubiquitin is first activated tivated ubiquitin is subsequently to ase E3 for final delivery to the ep- ome pathway has been implicated ormalities. Several proteins such biquitin-proteasome process as pa- ses response, and apoptosis (4-7)		
	Lys29, Lys33, Lys48, a ubiquitin is linked to the lysine residues display chains exert nonprotec	and Lys63). Formation of a polyub e carboxy-terminal glycine of ano v a tendency to be targeted for diff olytic functions in vivo, such as pr	stinct ubiquitin lysine residues (Lys6, Lys11, Lys27, biquitin chain occurs when a lysine residue of ther ubiquitin. Proteins polyubiquitinated at specific ferent processes (8). K63-linked polyubiquitin otein trafficking, kinase/phosphatase activation, nt in regulation of cancer survival and development	
Background Reference	 Hochstrasser, M. (20) Hochstrasser, M. (20) Hochstrasser, M. (20) Bernardi, R. et al. (20) Aberle, H. et al. (199) Salomoni, P. and Pai Jesenberger, V. and Komander, D. (2009) Chen, Z.J. and Sun, 	 98) EMBO J 17, 7151-60. 900) Nat Cell Biol 2, E153-7. 900) Science 289, 563-4. 900) Oncogene 19, 2447-54. 97) EMBO J 16, 3797-804. 97) EMBO J 16, 3797-804. 97) Jentsch, S. (2002) Nat Cell Biol 4. 98) Biochem Soc Trans 37, 937-53. 99. L.J. (2009) Mol Cell 33, 275-86. 910) Oncogene 29, 4493-503. 	Cell Biol 3, 112-21.	
Species Reactivity	Species reactivity is det	termined by testing in at least one	e approved application (e.g., western blot).	
Western Blot Buffer		ern blots, incubate membrane witl C with gentle shaking, overnight.	h diluted primary antibody in 5% w/v BSA, 1X TBS,	
Applications Key Cross-Reactivity Key	WB: Western Blotting			

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3/13/24, 10:36 AM	 K63-linkage Specific Polyubiquitin (D7A11) Rabbit mAb (#5621) Datasheet Without Images Cell Signaling H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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