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## K48-linkage Specific Polyubiquitin (D9D5) Rabbit mAb (HRP Conjugate)



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

Applications: W	<b>Reactivity:</b> All	<b>Sensitivity:</b> Endogenous	Source/Isotype: Rabbit IgG
Product Usage Information		Application Western Blotting	Dilution 1:1000
Storage			3 mM KCI, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium ng/mL BSA, and 50% glycerol. Store at –20°C. <i>Do not aliquot the antibody.</i>
Specificity/Sensitivity		K48-linkage Specific Polyubiquitin (D9D5) Rabbit mAb (HRP Conjugate) detects polyubiquitin chains formed by Lys48 residue linkage. This antibody does not react with monoubiquitin or polyubiquitin chains formed by specific linkage to a different lysine residue.	
Source / Purificat	ion		oduced by immunizing animals with a synthetic peptide corresponding to -ys48 branch of the human diubiquitin chain.
Description		peroxidase (HRP) via its am	ogy antibody is conjugated to the carbohydrate groups of horseradish nine groups. The HRP conjugated antibody is expected to exhibit the same the unconjugated K48-linkage Specific Polyubiquitin (D9D5) Rabbit mAb
Background		pathway. Ubiquitin can be 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 Bo	olypeptide unit that plays an important role in the ubiquitin-proteasome covalently linked to many cellular proteins by the ubiquitination process, degradation by the 26S proteasome. Three components are involved in the njugation process. Ubiquitin is first activated by forming a thiolester n component E1; the activated ubiquitin is subsequently transferred to the 2, then from E2 to ubiquitin ligase E3 for final delivery to the epsilon-NH <sub>2</sub> of esidue (1-3). The ubiquitin-proteasome pathway has been implicated in a ogical processes and in disease-related abnormalities. Several proteins such cl-2 have been shown to be targets for the ubiquitin-proteasome process as rcle progression, differentiation, cell stress response, and apoptosis (4-7).
Background Refe	rences		Nat Čell Biol 2, E153-7. Science 289, 563-4. Oncogene 19, 2447-54.
Species Reactivit	у	Species reactivity is determ	nined by testing in at least one approved application (e.g., western blot).
Western Blot Buf	fer		olots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X °C with gentle shaking, overnight.
Applications Key		W: Western Blotting	
Cross-Reactivity	Key	All: All Species Expected	
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