

#8462 Store at -20C

CYLD (D1A10) Rabbit mAb


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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R Mk	Endogenous	108	Rabbit IgG	#Q9NQC7	1540

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:200
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	CYLD (D1A10) Rabbit mAb recognizes endogenous levels of total CYLD protein. This antibody detects an unidentified protein of approximately 28 kDa in some cell types.	
Species predicted to react based on 100% sequence homology:	Hamster, Bovine, Dog, Horse, Guinea Pig	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys37 of human CYLD protein.	
Background	CYLD is a cytoplasmic deubiquitinating enzyme encoded by a tumor suppressor gene altered in individuals diagnosed with cylindromatosis, a genetic condition characterized by benign tumors of skin appendages (1,2). Functional CYLD deubiquitinase regulates inflammation and cell proliferation by down regulating NF-κB signaling through removal of ubiquitin chains from several NF-κB pathway proteins (3,4). CYLD is a negative regulator of proximal events in Wnt/β-catenin signaling and is a critical regulator of natural killer T cell development (5,6). The transcription factor Snail can inhibit CYLD expression, resulting in melanoma cell proliferation (7).	
Background References	1. Biggs, P.J. et al. (1995) <i>Nat Genet</i> 11, 441-3. 2. Sun, S.C. (2010) <i>Cell Death Differ</i> 17, 25-34. 3. Regamey, A. et al. (2003) <i>J Exp Med</i> 198, 1959-64. 4. Glittenberg, M. and Ligoxygakis, P. (2007) <i>Fly (Austin)</i> 1, 330-2. 5. Tauriello, D.V. et al. (2010) <i>Mol Cell</i> 37, 607-19. 6. Lee, A.J. et al. (2010) <i>EMBO J</i> 29, 1600-12. 7. Massoumi, R. et al. (2009) <i>J Exp Med</i> 206, 221-32.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	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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