

#4495 Store at -20°C

CYLD Antibody



Cell Signaling
TECHNOLOGY®

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

Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 108	Source: Rabbit	UniProt ID: #Q9NQC7	Entrez-Gene Id: 1540
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	CYLD Antibody detects endogenous levels of total CYLD protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His334 of human CYLD protein. Antibodies are purified by protein A and peptide affinity chromatography.	
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 nonfat dry milk, 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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