

**CYLD Antibody**

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|                               |                            |                                   |                         |                                  |                               |                                |
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| <b>Applications:</b><br>W, IP | <b>Reactivity:</b><br>H Mk | <b>Sensitivity:</b><br>Endogenous | <b>MW (kDa):</b><br>108 | <b>Source/Isotype:</b><br>Rabbit | <b>UniProt ID:</b><br>#Q9NQC7 | <b>Entrez-Gene Id:</b><br>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) *Nat Genet* 11, 441-3.
2. Sun, S.C. (2010) *Cell Death Differ* 17, 25-34.
3. Regamey, A. et al. (2003) *J Exp Med* 198, 1959-64.
4. Glittenberg, M. and Ligoxygakis, P. (2007) *Fly (Austin)* 1, 330-2.
5. Tauriello, D.V. et al. (2010) *Mol Cell* 37, 607-19.
6. Lee, A.J. et al. (2010) *EMBO J* 29, 1600-12.
7. Massoumi, R. et al. (2009) *J Exp Med* 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**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **Mk:** Monkey

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