

CYLD (D6O5O) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Hm Mk	Endogenous	109	Rabbit IgG	#Q9NQC7	1540

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

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 (D6O5O) Rabbit mAb recognizes endogenous levels of total CYLD protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant 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) *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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Hm:** Hamster **Mk:** Monkey

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