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Store at -20C
#8462

CYLD (D1A10) Rabbit mAb

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

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

- Biggs, P.J. et al. (1995) *Nat Genet* 11, 441-3.
- Sun, S.C. (2010) *Cell Death Differ* 17, 25-34.
- Regamey, A. et al. (2003) *J Exp Med* 198, 1959-64.
- Glittenberg, M. and Ligoxygakis, P. (2007) *Fly (Austin)* 1, 330-2.
- Tauriello, D.V. et al. (2010) *Mol Cell* 37, 607-19.
- Lee, A.J. et al. (2010) *EMBO J* 29, 1600-12.
- 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 **IP:** Immunoprecipitation

Cross-Reactivity Key

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

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