

CYLD polyclonal antibody

Catalog: BS67686

Host: Rabbit

Reactivity: Human

Background:

Deubiquitinase that specifically cleaves 'Lys-63'- and linear 'Met-1'-linked polyubiquitin chains and is involved in NF-kappa-B activation and TNF-alpha-induced necroptosis . Negatively regulates NF-kappa-B activation by deubiquitinating upstream signaling factors . Contributes to the regulation of cell survival, proliferation and differentiation via its effects on NF-kappa-B activation .

Negative regulator of Wnt signaling . Inhibits HDAC6 and thereby promotes acetylation of alpha-tubulin and stabilization of microtubules . Plays a role in the regulation of microtubule dynamics, and thereby contributes to the regulation of cell proliferation, cell polarization, cell migration, and angiogenesis . Required for normal cell cycle progress and normal cytokinesis . Inhibits nuclear translocation of NF-kappa-B . Plays a role in the regulation of inflammation and the innate immune response, via its effects on NF-kappa-B activation . Dispensable for the maturation of intrathymic natural killer cells, but required for the continued survival of immature natural killer cells . Negatively regulates TNFRSF11A signaling and osteoclastogenesis . Involved in the regulation of cilogenesis, allowing ciliary basal bodies to migrate and dock to the plasma membrane; this process does not depend on NF-kappa-B activation . Ability to remove linear ('Met-1'-linked) polyubiquitin chains regulates innate immunity and TNF-alpha-induced necroptosis: recruited to the LUBAC complex via interaction with SPATA2 and restricts linear polyubiquitin formation on target proteins . Regulates innate immunity by restricting linear polyubiquitin formation on RIPK2 in response to NOD2 stimulation . Involved in TNF-alpha-induced necroptosis by removing linear ('Met-1'-linked) polyubiquitin chains from RIPK1, thereby regulating the kinase activity of RIPK1. Negatively regulates intestinal inflammation by removing 'Lys-63' linked polyubiquitin chain of NLRP6, thereby

reducing the interaction between NLRP6 and PYCARD/ASC and formation of the NLRP6 inflammasome. Removes 'Lys-63' linked polyubiquitin chain of MAP3K7, which inhibits phosphorylation and blocks downstream activation of the JNK-p38 kinase cascades .

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 120 kDa

Swiss-Prot:

Q9NQC7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

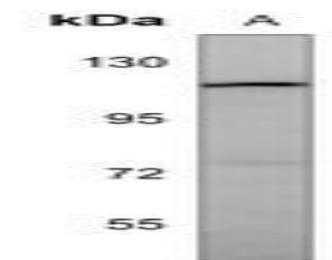
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CYLD protein.

DATA:



Western blot analysis of CYLD expression in SGC7901 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.

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Add: 1660 South Highway 100, Suite 500 St. Louis Park,
MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

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