

CYLD Polyclonal Antibody

Catalog number: 11110-1-AP

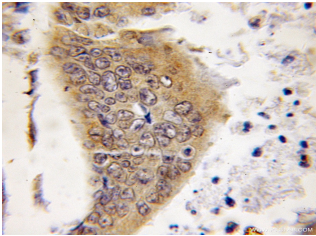
Size: 33 µg/150 µl

Source: Rabbit

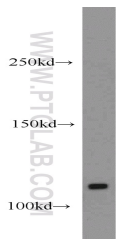
Isotype: IgG

Synonyms:

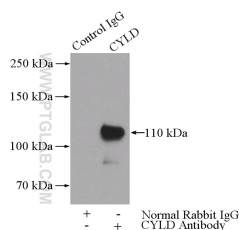
CYLD; CDMT, CYLD, CYLD1, CYLDI, Deubiquitinating enzyme CYLD, EAC, FLJ20180, FLJ31664, FLJ78684, HSPC057, KIAA0849, MFT, MFT1, SBS, TEM, Ubiquitin thiolesterase CYLD, USPL2



Immunohistochemical of paraffin-embedded human colon cancer using 11110-1-AP (CYLD antibody) at dilution of 1:50 (under 10x lens)



A431 cells were subjected to SDS PAGE followed by western blot with 11110-1-AP (CYLD antibody) at dilution of 1:500



IP Result of anti-CYLD (IP:11110-1-AP, 4µg; Detection:11110-1-AP 1:300) with mouse brain tissue lysate 4000µg.

Background

CYLD, also named as CYLD1, belongs to the peptidase C67 family. It is the protease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. CYLD has endodeubiquitinase activity and plays an important role in the regulation of pathways leading to NF-kappa-B activation. CYLD contributes to the regulation of cell survival, proliferation and differentiation via its effects on NF-kappa-B activation. It is a negative regulator of Wnt signaling. CYLD inhibits HDAC6 and thereby promotes acetylation of alpha-tubulin and stabilization of microtubules. CYLD plays a role in the regulation of microtubule dynamics, and thereby contributes to the regulation of cell proliferation, cell polarization, cell migration, and angiogenesis. It is required for normal cell cycle progress and normal cytokinesis. CYLD inhibits nuclear translocation of NF-kappa-B and plays a role in the regulation of inflammation and the innate immune response, via its effects on NF-kappa-B activation. It is dispensable for the maturation of intrathymic natural killer cells, but required for the continued survival of immature natural killer cells. CYLD negatively regulates TNFRSF11A signaling and osteoclastogenesis. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human CYLD.

Applications

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|--------------------------|---|
| Tested applications: | ELISA, WB, IHC, IP |
| Cited applications: | WB |
| Species specificity: | Human, Mouse, Rat; other species not tested. |
| Cited species: | Human |
| Calculated CYLD MW: | 107 kDa |
| Observed CYLD MW: | 110kd |
| Positive WB detected in | A431 cells, HEK-293 cells, Jurkat cells, mouse brain tissue |
| Positive IP detected in | Mouse brain tissue |
| Positive IHC detected in | Human colon cancer tissue, human brain tissue, human colon tissue |
| Recommended dilution: | WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

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|---------------------------|---|
| Immunogen: | Ag1598 |
| GenBank accession number: | BC012342 |
| Gene ID (NCBI): | 1540 |
| Full name: | Cylindromatosis (turban tumor syndrome) |

Product information

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|----------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |