Datasheet for ABIN6242844

anti-CYLD antibody (AA 305-582)

2 Images

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Overview

Quantity:	200 µL
Target:	CYLD
Binding Specificity:	AA 305-582
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYLD antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CYLD antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 305-582 amino acids from human CYLD.
Clone:	1667CT857-3-6-1
Isotype:	IgG2a kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	CYLD
Alternative Name:	CYLD (CYLD Products)
Background:	Protease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Has endodeubiquitinase

Target Details

	activity. Plays an important role in the regulation of pathways leading to NF-kappa-B activation (PubMed:< a href="http://www.uniprot.org/citations/12917689" target="_blank">12917689, PubMed:< a href="http://www.uniprot.org/citations/12917691" target="_blank">12917691). Contributes to the regulation of cell survival, proliferation and differentiation via its effects on NF-kappa-B activation (PubMed:< a href="http://www.uniprot.org/citations/12917690" target="_blank">12917690). Negative regulator of Wnt signaling (PubMed:< a href="http://www.uniprot.org/citations/20227366" target="_blank">20227366). Inhibits HDAC6 and thereby promotes acetylation of alpha-tubulin and stabilization of microtubules (PubMed:< a href="http://www.uniprot.org/citations/19893491" target="_blank">19893491). Plays a role in the regulation of microtubule dynamics, and thereby contributes to the regulation of cell proliferation, cell polarization, cell migration, and angiogenesis (PubMed:< a href="http://www.uniprot.org/citations/18222923" target="_blank">18222923, PubMed:< a href="http://www.uniprot.org/citations/20194890" target="_blank">20194890). Required for normal cell cycle progress and normal cytokinesis (PubMed:< a href="http://www.uniprot.org/citations/17495026" target="_blank">17495026, PubMed:< a href="http://www.uniprot.org/citations/19893491" target="_blank">19893491). 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 (PubMed:< a href="http://www.uniprot.org/citations/18636086" target="_blank">18636086). 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 (By similarity). Involved in the regulation of ciliogenesis, allowing ciliary basal bodies to migrate and dock to the plasma membrane, this process does not depend on NF-kappa-B activation (By similarity).
Molecular Weight:	107316
UniProt:	Q9NQC7
Pathways:	Apoptosis, Activation of Innate immune Response

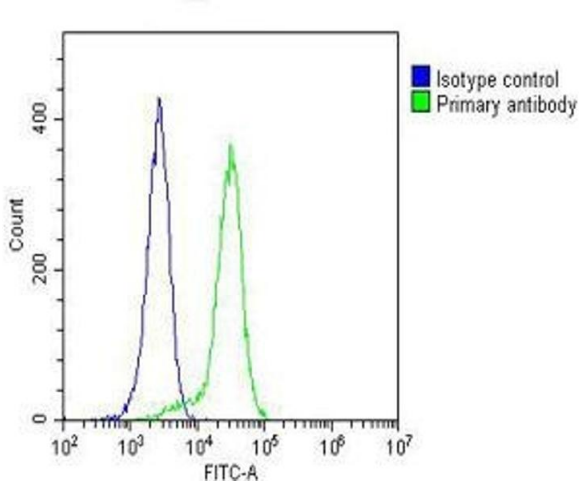
Application Details

Application Notes:	WB: 1:4000. FC: 1:25
Restrictions:	For Research Use only

Handling

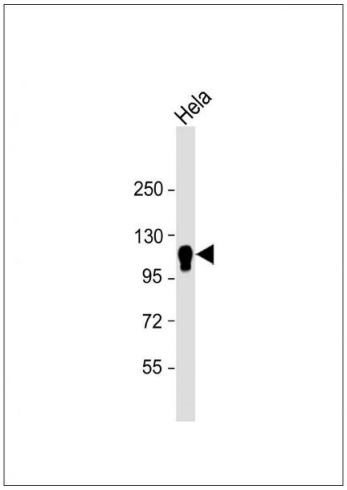
Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Images



Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with (ABIN6242844 and ABIN6577191)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242844 and ABIN6577191), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG2a(1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Anti-CYLD Antibody at 1:4000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 107 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.