SANTA CRUZ BIOTECHNOLOGY, INC.

CBLL1 (M-25): sc-101912



BACKGROUND

CBLL1 (Casitas B-lineage lymphoma-transforming sequence-like protein 1), also known as HAKAI (meaning "destruction" in Japanese), or RNF188 (RING finger protein 188), is a 491 amino acid protein that contains one C_2H_2 -type zinc finger and one RING-type zinc finger. CBLL1 is believed to function as an E3 ubiquitin-protein ligase that accepts a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfers that residue to a protein that is targeted for degradation. More specifically, upon activation of c-Src, CBLL1 interacts with and ubiquitinates tyrosine-phosphorylated E-cadherin, thereby targeting the E-cadherin complex for endocytosis and disrupting epithelial cell-cell contacts. Via its role as an E-cadherin regulator, CBLL1 participates in cell adhesion and may also be involved in the regulation of epithelial-mesenchymal transitions.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CBLL1 (human) mapping to 7q22.3; Cbll1 (mouse) mapping to 12 A3.

SOURCE

CBLL1 (M-25) is a purified rabbit polyclonal antibody raised against CBLL1 of human origin.

PRODUCT

Each vial contains 100 μg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

CBLL1 (M-25) is recommended for detection of CBLL1 of mouse, rat, human and dog origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CBLL1 siRNA (h): sc-89853, CBLL1 siRNA (m): sc-142035, CBLL1 shRNA Plasmid (h): sc-89853-SH, CBLL1 shRNA Plasmid (m): sc-142035-SH, CBLL1 shRNA (h) Lentiviral Particles: sc-89853-V and CBLL1 shRNA (m) Lentiviral Particles: sc-142035-V.

Molecular Weight of CBLL1: 55 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, CBLL1 (h): 293T Lysate: sc-114604 or HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



CBLL1 (M-25): sc-101912. Western blot analysis of CBLL1 expression in non-transfected 2937: sc-117752 (**A**), human CBLL1 transfected 2937: sc-114604 (**B**) and HeLa (**C**) whole cell lysates.

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

MONOS Satisfation Guaranteed

Try **CBLL1 (3B12):** sc-517157, our highly recommended monoclonal alternative to CBLL1 (M-25).