

Product datasheet

CBL overexpression 293T lysate (whole cell) ab94206

画像数 2

製品の概要

| | |
|-----------------|--|
| 製品名 | CBL overexpression 293T lysate (whole cell) |
| 製品の詳細 | CBL overexpression lysate |
| 特記事項 | ab94206 is a 293T cell transfected lysate in which Human CBL has been transiently over-expressed using a pCMV-CBL plasmid. The lysate is provided in 1 x Sample Buffer. Note: For more details about how the transfected lysate was prepared view preparation notes |
| アプリケーション | 適用あり: WB |

法規制情報

医薬用外劇物

製品の特性

| | |
|--------------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | pH: 6.80 Constituent: 100% 1x Sample Buffer |
| 精製度 | Whole Cell Lysate |
| 背景 | CBL: Adapter protein that functions as a negative regulator of many signaling pathways that are triggered by activation of cell surface receptors. Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Recognizes activated receptor tyrosine kinases, including KIT, FLT1, FGFR1, FGFR2, PDGFRA, PDGFRB, EGFR, CSF1R, EPHA8 and KDR and terminates signaling. Recognizes membrane-bound HCK, SRC and other kinases of the SRC family and mediates their ubiquitination and degradation. Participates in signal transduction in hematopoietic cells. Plays an important role in the regulation of osteoblast differentiation and apoptosis. Essential for osteoclastic bone resorption. The 'Tyr-731' phosphorylated form induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. Pathway:protein ubiquitination. This protein is involved in the pathway protein ubiquitination, which is part of Protein modification. CBLB: E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and transfers it to substrates, generally promoting their |

degradation by the proteasome. Negatively regulates TCR (T-cell receptor), BCR (B-cell receptor) and FCER1 (high affinity immunoglobulin epsilon receptor) signal transduction pathways. In naive T-cells, inhibits VAV1 activation upon TCR engagement and imposes a requirement for CD28 costimulation for proliferation and IL-2 production. Also acts by promoting PIK3R1/p85 ubiquitination, which impairs its recruitment to the TCR and subsequent activation. In activated T-cells, inhibits PLCG1 activation and calcium mobilization upon restimulation and promotes anergy. In B-cells, acts by ubiquitinating SYK and promoting its proteasomal degradation. Slightly promotes SRC ubiquitination. May be involved in EGFR ubiquitination and internalization. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. Pathway: protein ubiquitination. This protein is involved in the pathway protein ubiquitination, which is part of Protein modification.

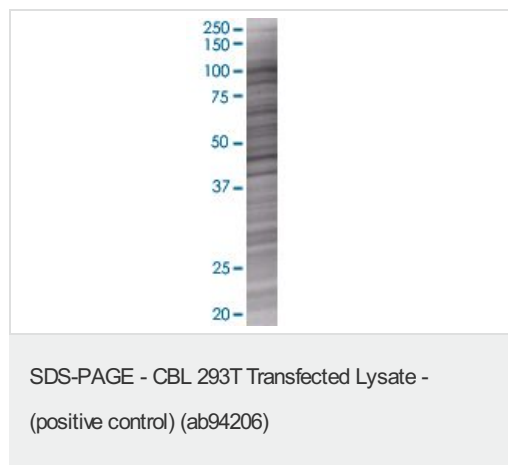
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab94206** in the following tested applications.

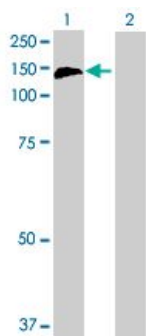
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|-------------------------------------|
| WB | | Use at an assay dependent dilution. |

画像



ab94206 at 15 μ g/lane on an SDS-PAGE gel.



Western blot - CBL 293T Transfected Lysate -
(positive control) (ab94206)

All lanes : Anti-CBL antibody (ab89529) at
1/500 dilution

Lane 1 : CBL overexpression 293T lysate
(whole cell) (ab94206)

Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-mouse IgG (H and L)
HRP conjugated at 1/2500 dilution

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