


# Anti-CBL + CBLB antibody [YE315] ab32425

RabMAb

## 6 图像

### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-CBL + CBLB抗体[YE315]  |
| 描述    | 兔单克隆抗体[YE315] to CBL + CBLB   |
| 宿主    | Rabbit  |
| 特异性   | The immunogen sequence is 100% identical for both CBL and CBLB, therefore there is likely to be cross-reactivity.   |
| 经测试应用 | 适用于: WB, IHC-P, ICC/IF  |
| 种属反应性 | 与反应: Human<br>预测可用于: Chicken   |
| 免疫原   | Synthetic peptide within Human CBL aa 450-550. The exact sequence is proprietary.<br>Database link: <a href="#">P22681</a>  |
| 阳性对照  | WB: HuT-78, HeLa and Jurkat cell lysate. IHC-P: Human uterus adenocarcinoma and colon tissues. ICC/IF: Jurkat cells.  |
| 常规说明  | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

### 性能

|      |   |
|------|---|
| 形式   | Liquid  |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.20  |

Preservative: 0.01% Sodium azide  
Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

纯度 Protein A purified  
克隆 单克隆  
克隆编号 YE315  
同种型 IgG

## 应用

**The Abpromise guarantee** Abpromise™ 承诺保证使用 ab32425 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用     | Ab评论 | 说明   |
|--------|------|--|
| WB     |      | 1/5000. Detects a band of approximately 120 kDa (predicted molecular weight: 99 kDa). <b>For unpurified use at 1/500.</b>  |
| IHC-P  |      | 1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <a href="#">IHC antigen retrieval protocols</a> . |
| ICC/IF |      | 1/250. <b>For unpurified use at 1/100.</b>   |

## 靶标

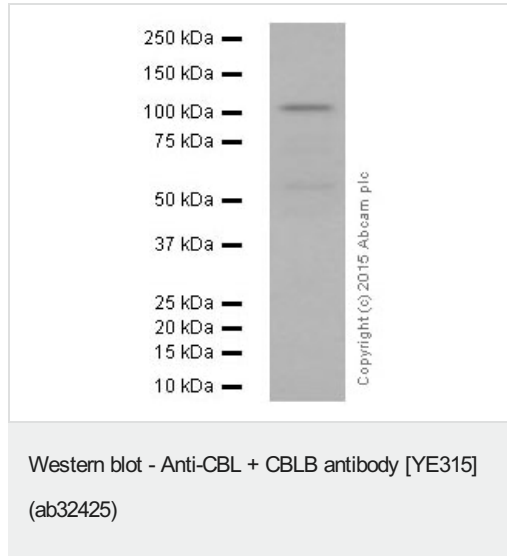
**相关性** CBL: Adapter protein that functions as a negative regulator of many signaling pathways that are triggered by activation of cell surface receptors. Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates 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.

## 细胞定位

CBL: Cytoplasm. CBLB: Cytoplasmic and Nuclear

## 图片



Anti-CBL + CBLB antibody [YE315] (ab32425) at 1/20000 dilution (purified) + HeLa cell lysate at 10 µg

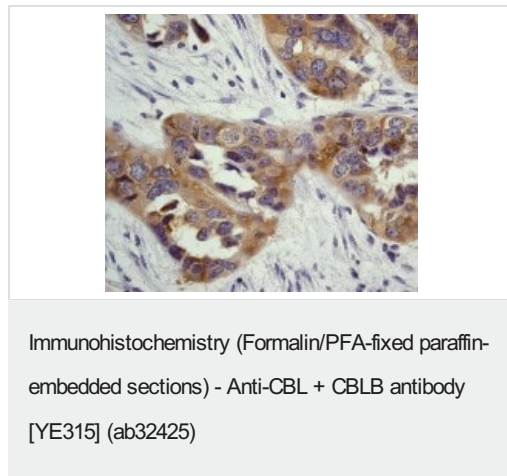
### Secondary

Peroxidase-conjugated goat anti-rabbit IgG, (H+L) at 1/1000 dilution

**Predicted band size:** 99 kDa

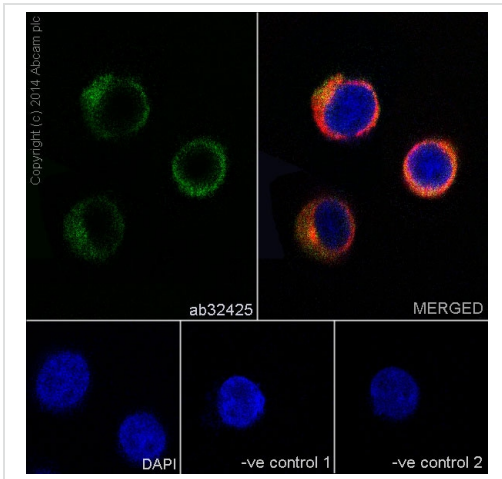
**Observed band size:** 120 kDa

Blocking and dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human uterus adenocarcinoma tissue labelling CBL + CBLB with unpurified ab32425 at a dilution of 1/50.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

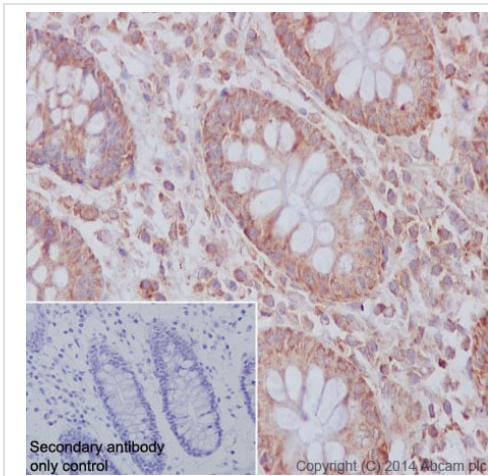


Immunocytochemistry/ Immunofluorescence - Anti-CBL + CBLB antibody [YE315] (ab32425)

Immunocytochemistry/Immunofluorescence analysis of Jurkat cells labelling CBL + CBLB with purified ab32425 at 1/250. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/500) were also used.

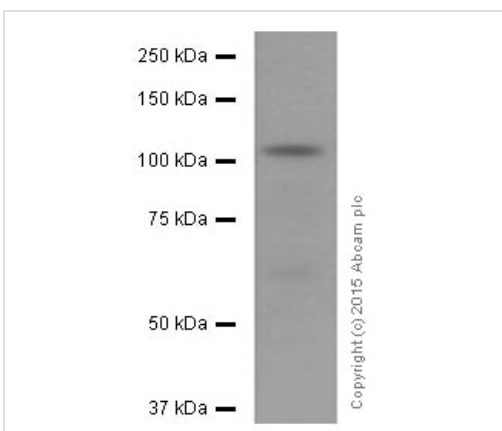
Control 1: primary antibody (1/250) and secondary antibody, **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/500).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/500).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CBL + CBLB antibody [YE315] (ab32425)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling CBL + CBLB with purified ab32425 at 1/50. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Western blot - Anti-CBL + CBLB antibody [YE315] (ab32425)

Anti-CBL + CBLB antibody [YE315] (ab32425) at 1/5000 dilution (purified) + HuT-78 cell lysate at 10 µg

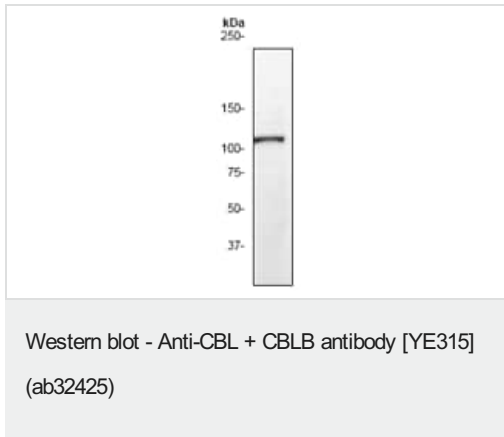
**Secondary**

Peroxidase-conjugated goat anti-rabbit IgG, (H+L) at 1/1000 dilution

**Predicted band size:** 99 kDa

**Observed band size:** 120 kDa

Blocking and dilution buffer: 5% NFD/MTBST.



Anti-CBL + CBLB antibody [YE315] (ab32425) at 1/500 dilution  
(unpurified) + Jurkat cell lysate

**Predicted band size:** 99 kDa

**Observed band size:** 120 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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