abcam

Product datasheet

Anti-CBL antibody ab2235

1 References　画像数 1

製品の概要

製品名	Anti-CBL antibody
製品の詳細	Goat polyclonal to CBL
由来種	Goat
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Mouse **交差が予測される動物種:** Rat, Cow, Dog, Human, Pig
免疫原	Synthetic peptide: REFVSISSPAHVAT, corresponding to C terminal amino acids 893-906 of Human CBL. Run BLAST with ExPASy　Run BLAST with NCBI
ポジティブ・コントロール	Recombinant Human CBL protein (ab114527) can be used as a positive control in WB. 3T3 cells.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris, 0.5% BSA
精製度	Immunogen affinity purified
特記事項（精製）	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee	Abpromise保証は、次のテスト済みアプリケーションにおけるab2235の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 120 kDa. A 1 hour primary incubation is recommended for this product. Detects a band of approximately 120 kDa in 3T3 lysate.

ターゲット情報

機能
Participates in signal transduction in hematopoietic cells. Adapter protein that functions as a negative regulator of many signaling pathways that start from receptors at the cell surface. 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 PDGFA, EGF and CSF1, and terminates signaling.

パスウェイ
Protein modification; protein ubiquitination.

関連疾患
Defects in CBL are the cause of Noonan syndrome-like disorder (NSL) [MIM:613563]. NSL is a syndrome characterized by a phenotype reminiscent of Noonan syndrome. Clinical features are highly variable, including facial dysmorphism, short neck, developmental delay, hyperextensible joints and thorax abnormalities with widely spaced nipples. The facial features consist of triangular face with hypertelorism, large low-set ears, ptosis, and flat nasal bridge. Some patients manifest cardiac defects.

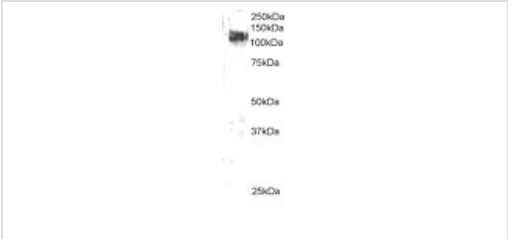
配列類似性
Contains 1 Cbl-PTB (Cbl-type phosphotyrosine-binding) domain.
Contains 1 RING-type zinc finger.
Contains 1 UBA domain.

ドメイン
The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.
The N-terminus is composed of the phosphotyrosine binding (PTB) domain, a short linker region and the RING-type zinc finger. The PTB domain, which is also called TKB (tyrosine kinase binding) domain, is composed of three different subdomains: a four-helix bundle (4H), a calcium-binding EF hand and a divergent SH2 domain.

翻訳後修飾
Phosphorylated on tyrosine residues by EGFR, SYK, FYN and ZAP70 (By similarity).
Phosphorylated on tyrosine residues by INSR.

細胞内局在
Cytoplasm.

画像



Western blot - Anti-CBL antibody (ab2235)

Ab2235 staining (2µg/ml) of 3T3 lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence Ab2235 staining (2µg/ml) of 3T3 lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence

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