

Product datasheet

Anti-CBL (phospho Y700) antibody ab63512

1 图像

概述

产品名称	Anti-CBL (phospho Y700)抗体
描述	兔多克隆抗体到 CBL (phospho Y700)
宿主	Rabbit
特异性	ab63512 detects endogenous levels of CBL only when phosphorylated at tyrosine 700.
经测试应用	适用于: ICC/IF, ELISA
种属反应性	与反应: Human 预测可用于: Mouse, Rat
免疫原	Synthesized phosphopeptide derived from human CBL around the phosphorylation site of tyrosine 700 (TEY ^P MT). Run BLAST with Run BLAST with
阳性对照	HepG2 cells

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab63512 was purified by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab63512** in the following tested applications.

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

应用	Ab评论	说明
ICC/IF		1/100 - 1/500.
ELISA		1/10000.

靶标

功能

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.

通路

Protein modification; protein ubiquitination.

疾病相关

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.

序列相似性

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

结构域

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.

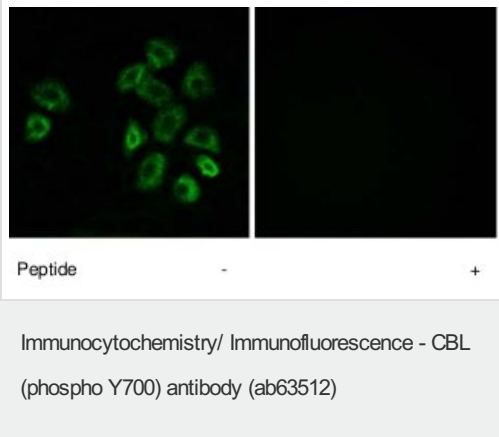
翻译后修饰

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

细胞定位

Cytoplasm.

图片



ab63512, used at a dilution of 1/100, staining HepG2 cells by immunofluorescence in the absence (1) and presence (2) of the phosphopeptide.

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