

Datasheet for ABIN968993

anti-CBL antibody

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Overview

Quantity:	100 µL
Target:	CBL
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CBL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human C-CBL expressed in E. coli.
Clone:	3B12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CBL
Alternative Name:	C-CBL (CBL Products)
Background:	Description: The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a

Target Details

manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation.

Aliases: CBL, CBL2, NSLL, C-CBL, RNF55

Molecular Weight: 120 kDa

Gene ID: 867

HGNC: 867

Pathways: [TCR Signaling](#), [Interferon-gamma Pathway](#), [EGFR Signaling Pathway](#), [EGFR Downregulation](#), [VEGFR1 Specific Signals](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

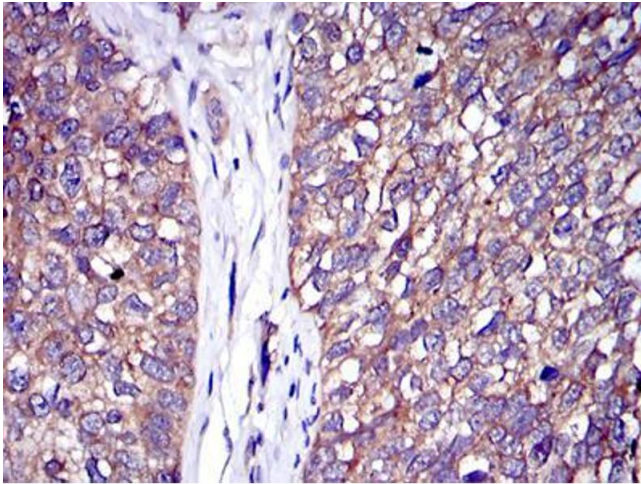
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Sproul, Xu, Wilhelm, Gire, Greene: "Cbl negatively regulates JNK activation and cell death." in: **Cell research**, Vol. 19, Issue 8, pp. 950-61, (2009) ([PubMed](#)).

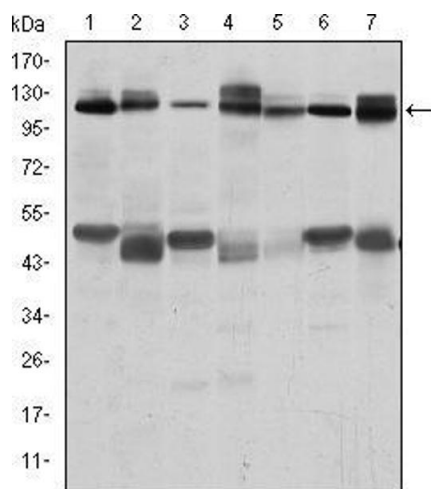
Sanada, Suzuki, Shih, Otsu, Kato, Yamazaki, Tamura, Honda, Sakata-Yanagimoto, Kumano, Oda, Yamagata, Takita, Gotoh, Nakazaki, Kawamata, Onodera, Nobuyoshi, Hayashi, Harada, Kurokawa, Chiba, Mori et al.: "Gain-of-function of mutated C-CBL tumour suppressor in myeloid neoplasms. ..." in: **Nature**, Vol. 460, Issue 7257, pp. 904-8, (2009) ([PubMed](#)).

Loh, Sakai, Flotho, Kang, Fliegau, Archambeault, Mullighan, Chen, Bergstraesser, Bueso-Ramos, Emanuel, Hasle, Issa, van den Heuvel-Eibrink, Locatelli, Stary, Trebo, Wlodarski, Zecca, Shannon et al.: "Mutations in CBL occur frequently in juvenile myelomonocytic leukemia. ..." in: **Blood**, Vol. 114, Issue 9, pp. 1859-63, (2009) ([PubMed](#)).



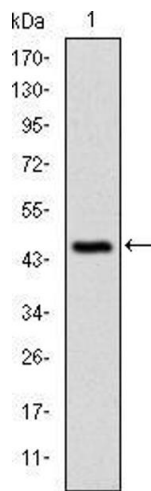
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using C-CBL mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using C-CBL mouse mAb against RAJI (1), RAW264.7 (2), K562 (3), SKBR-3 (4), 3T3-L1 (5), THP-1 (6) and PC-12 (7) cell lysate.



Western Blotting

Image 3. Western blot analysis using C-CBL mAb against human C-CBL (AA: 684-865) recombinant protein. (Expected MW is 44.9 kDa)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN968993.