Datasheet: VMA00247

Description:	MOUSE ANTI E3 UBIQUITIN-PROTEIN LIGASE CBL
Specificity:	E3 UBIQUITIN-PROTEIN LIGASE CBL
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Immunogen

Purified recombinant fragment of human E3 ubiquitin-protein ligase CBL expressed in *E. coli*

External Database Links

UniProt:
P22681 Related reagents

Entrez Gene:
867 CBL Related reagents

Synonyms

CBL2, RNF55

Specificity	**Mouse anti Human E3 ubiquitin-protein ligase CBL antibody** recognizes the E3 ubiquitin-protein ligase CBL, also known as Cas-Br-M (murine) ecotropic retroviral transforming sequence, E3 ubiquitin-protein ligase CBL, RING finger protein 55, casitas B-lineage lymphoma proto-oncogene, fragile site, folic acid type, rare, fra(11)(q23.3), oncogene CBL2, proto-oncogene c-Cbl and signal transduction protein CBL. Encoded by the CBL gene, E3 ubiquitin-protein ligase CBL is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. E3 ubiquitin-protein ligase CBL is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. CBL has been found to be mutated or translocated in many cancers including acute myeloid leukaemia. Mutations in CBL are also the cause of Noonan syndrome-like disorder (provided by RefSeq, Mar 2012). Mouse anti Human E3 ubiquitin-protein ligase CBL antibody detects a band of 120 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti E3 ubiquitin-protein ligase CBL detects a band of approximately 120 kDa in HEK293 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20^{o}C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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