

Datasheet: AHP2585

Description:	RABBIT ANTI E3 UBIQUITIN-PROTEIN LIGASE CBL (pTyr700)
Specificity:	E3 UBIQUITIN-PROTEIN LIGASE CBL (pTyr700)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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
Immunohistology - Paraffin	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to E3 ubiquitin-protein ligase CBL (pTyr700) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 50% Glycerol

Immunogen Phospho specific-peptide corresponding to residues surrounding tyrosine 700 of human E3 ubiquitin-protein ligase CBL

External Database Links

UniProt:
[P22681](#) [Related reagents](#)

Entrez Gene:
[867](#) CBL [Related reagents](#)

Synonyms CBL2, RNF55

Specificity	Rabbit anti E3 ubiquitin-protein ligase CBL (pTyr700) antibody recognizes the Casitas B-lineage lymphoma (CBL) E3 ubiquitin ligase, also known as c-CBL proto-oncogene and ring finger protein 55, when phosphorylated at tyrosine 700. The CBL protein is a RING finger E3-ubiquitin ligase that plays a key role in signal transduction through mediating monoubiquitination and endocytosis of receptor tyrosine kinases (Haglund <i>et al.</i> 2002 , Dikic and Giordano 2003).
	E3 ubiquitin-protein ligase CBL is phosphorylated at tyrosine 700 by Fyn, Yes and Syk (Feshchenko <i>et al.</i> 1998).
Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
Further Reading	<ol style="list-style-type: none"> Haglund, K. <i>et al.</i> (2002) Cbl-directed monoubiquitination of CIN85 is involved in regulation of ligand-induced degradation of EGF receptors. Proc Natl Acad Sci U S A. 99 (19): 12191-6. Dikic, I. & Giordano, S. (2003) Negative receptor signalling. Curr Opin Cell Biol. 15 (2): 128-35. Feshchenko, E.A. <i>et al.</i> (1998) Fyn, Yes, and Syk phosphorylation sites in c-Cbl map to the same tyrosine residues that become phosphorylated in activated T cells. J Biol Chem. 273 (14): 8323-31.
Storage	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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