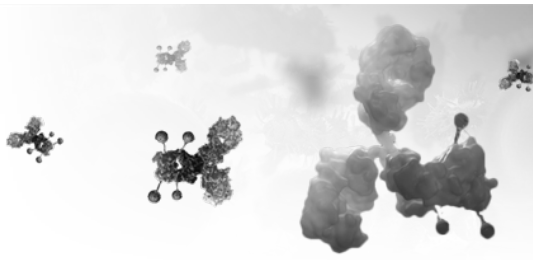

CBL blocking peptide (CDBP5263)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein 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. This gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia. Mutations in this gene are also the cause of Noonan syndrome-like disorder. [provided by RefSeq, Mar 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CBL Cbl proto-oncogene, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	CBL
Synonyms	CBL; Cbl proto-oncogene, E3 ubiquitin protein ligase; CBL2; NSLL; C-CBL; RNF55; FRA11B;

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	E3 ubiquitin-protein ligase CBL; oncogene CBL2; proto-oncogene c-Cbl; RING finger protein 55; signal transduction protein CBL; casitas B-lineage lymphoma proto-oncogene; fragile site, folic acid type, rare, fra(11)(q23.3); Cas-Br-M (murine) ecotropic retroviral transforming sequence
Entrez Gene ID	867
mRNA Refseq	NM_005188
Protein Refseq	NP_005179
UniProt ID	P22681
Pathway	Adaptive Immune System; Antigen activates B Cell Receptor (BCR) leading to generation of second messengers; B Cell Receptor Signaling Pathway; Bacterial invasion of epithelial cells; CDC42 signaling events; Chronic myeloid leukemia; Cytokine Signaling in Immune system; Disease
Function	SH3 domain binding; calcium ion binding; ephrin receptor binding; ligase activity; phosphotyrosine binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; ubiquitin-protein transferase activity; zinc ion binding

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