Cbl (phospho Tyr774) rabbit pAb

Cat#: orb770725 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Cbl (phospho Tyr774) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CBL around the phosphorylation site of Tyr774. AA range:740-789
Specificity	Phospho-Cbl (Y774) Polyclonal Antibody detects endogenous levels of Cbl protein only when phosphorylated at Y774.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	E3 ubiquitin-protein ligase CBL
Gene Name	CBL
Cellular localization	Cytoplasm. Cell membrane. Cell projection, cilium . Golgi apparatus . Colocalizes with FGFR2 in lipid rafts at the cell membrane.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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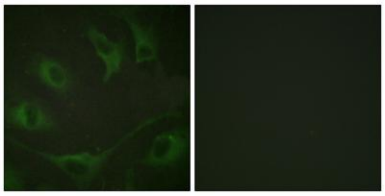
Concentration	1 mg/ml
Observed band	100kD
Human Gene ID	867
Human Swiss-Prot Number	P22681
Alternative Names	CBL; CBL2; RNF55; E3 ubiquitin-protein ligase CBL; Casitas B-lineage lymphoma proto-oncogene; Proto-oncogene c-Cbl; RING finger protein 55; Signal transduction protein CBL
Background	Cbl proto-oncogene(CBL) Homo sapiens 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, and expansion of CGG repeats in the 5' UTR has been associated with Jacobsen syndrome. Mutations in this gene are also the cause of Noonan syndrome-like disorder. [provided by RefSeq, Jul 2016],



Immunofluorescence analysis of A549 cells, using CBL (Phospho-Tyr774) Antibody. The picture on the right is blocked with the phospho peptide.

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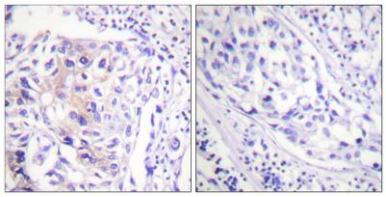
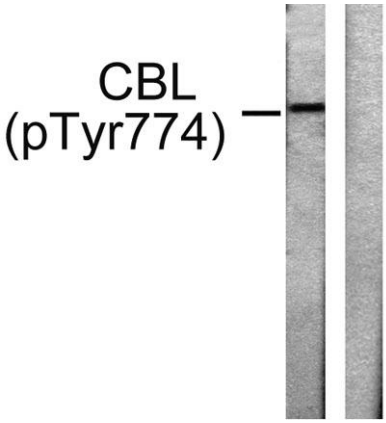


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CBL (Phospho-Tyr774) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with EGF 200ng/ml 30', using CBL (Phospho-Tyr774) Antibody. The lane on the right is blocked with the phospho peptide.

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