G-Biosciences Image not found or type unknown

Immunotag™ Phospho-CBL (Tyr674) Antibody

Antibody Specification

Catalog No.	ITA0996
Product Description	Immunotag™ Phospho-CBL (Tyr674) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-CBL (Tyr674)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human CBL around the phosphorylation site of Tyrosine 674
Specificity	Phospho-CBL (Tyr674) Antibody detects endogenous levels of CBL only when phosphorylated at Tyrosine 674
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	CBL
Accession No.	P22681

Antibody Specification

Alternate Names	4732447J05Rik; C CBL; Cas Br M (murine) ecotropic retroviral transforming sequence; Casitas B lineage lymphoma proto oncogene; Casitas B-lineage lymphoma proto-oncogene; CBL 2; cbl; CBL_HUMAN; CBL2; E3 ubiquitin protein ligase CBL; E3 ubiquitin-protein ligase CBL; Oncogene CBL2; Proto oncogene c CBL; Proto-oncogene c-CBL; RGD1561386; RING finger protein 55; RNF55; Signal transduction protein CBL;
Description	Adapter protein that functions as a negative regulator of many signaling pathways that are triggered by activation of cell surface receptors. Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Recognizes activated receptor tyrosine kinases, including KIT, FLT1, FGFR1, FGFR2, PDGFRA, PDGFRB, EGFR, CSF1R, EPHA8 and KDR and terminates signaling. Recognizes membrane-bound HCK, SRC and other kinases of the SRC family and mediates their ubiquitination and degradation. Participates in signal transduction in hematopoietic cells. Plays an important role in the regulation of osteoblast differentiation and apoptosis. Essential for osteoclastic bone resorption. The 'Tyr-731' phosphorylated form induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	120kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.