Anti-Phospho-CBL (Tyr774) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016109

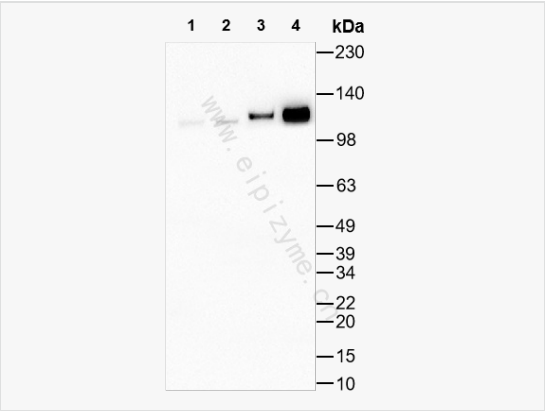
Product Information

Application	WB, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	26G68H73
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-CBL (Y774)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-CBL (Tyr774) Rabbit mAb [26G68H73] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	C-CBL; CBL2; FRA11B; NSLL; RNF55; 4732447J05Rik; Cbl-2; cbl; RGD1561386; CBL_HUMAN; Casitas B-lineage lymphoma proto-oncogene; Proto-oncogene c-Cbl; RING finger protein 55; RING-type E3 ubiquitin transferase CBL; Signal transduction protein CBL; 2.3.2.27; CBL_MOUSE.
Calculated MW	Calculated MW: 100 kDa; Observed MW: 120 kDa
Uniprot ID	P22681
Gene ID	867
Background	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]
Cellular Location	Cytoplasm Cell membrane Cell projection Cilium Golgi apparatus Colocalizes with FGFR2 in lipid rafts at the cell membrane.

Validation Images



Western Blot - Anti-Phospho-CBL (Tyr774) Rabbit mAb [26G68H73]
All lanes: R016109 at 1:1,000 dilution
Lane 1: Untreated THP-1 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 2: THP-1treated with 10nM insulin for 15min
Lane 3: Untreated PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 4: PC-12 treated with 10nM insulin for 15min
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 100 kDa
Observed band size: 120 kDa
Developed using the ECL technique (Cat. No. SQ201).