

Anti-CBL Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

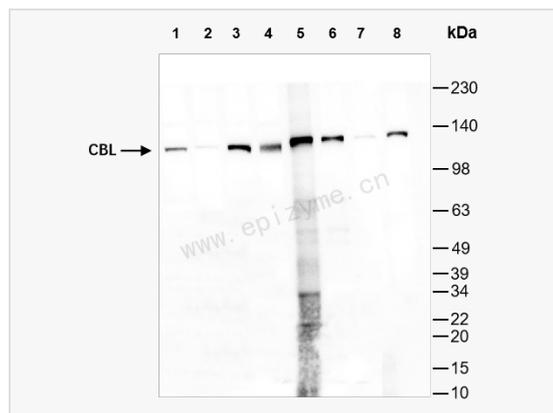
Catalog # R011251

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	74M44K26
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CBL
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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-CBL Rabbit mAb [74M44K26] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	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.
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.



Western Blot - Anti-CBL Rabbit mAb [74M44K26]

All lanes: R011251 at 1:2,000 dilution

Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 3: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 5: Mouse spleen whole tissue lysates

Lane 6: Mouse lymph whole tissue lysates

Lane 7: Mouse brain whole tissue lysates

Lane 8: Rat brain whole tissue lysates

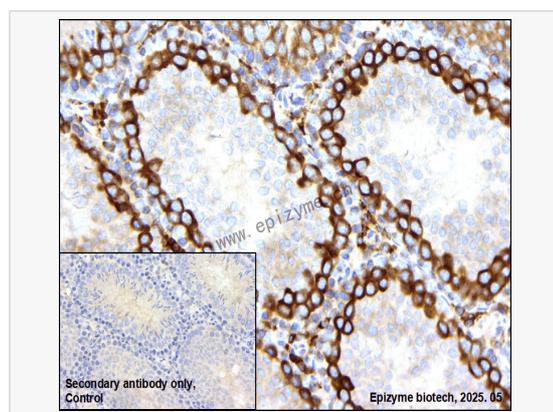
Lysates/proteins at 10 µg per lane.

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).



Immunohistochemistry - Anti-CBL Rabbit mAb [74M44K26]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011251 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.