[KD Validated] Anti-Phospho-CBL (Tyr774) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R020083

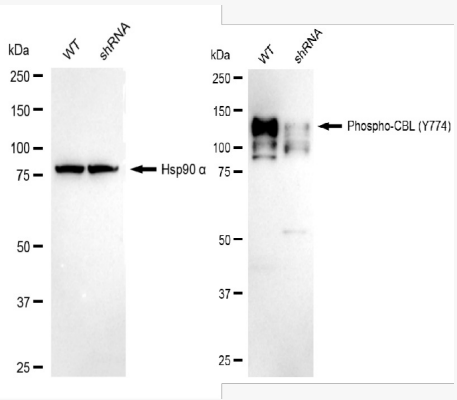
Product Information

Application	WB, FC
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	34H25O90
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-CBL (Tyr774)
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 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-Phospho-CBL (Tyr774) Rabbit mAb [34H25O90] is for research use only and not for use in diagnostic or therapeutic procedures.

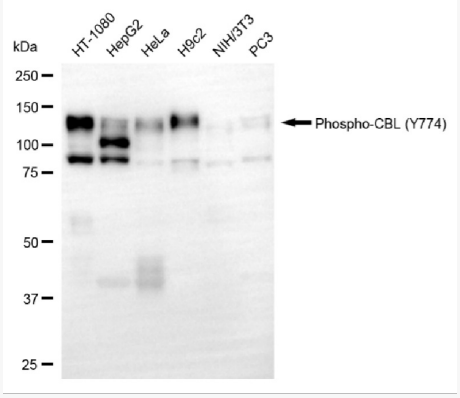
Protein Information

Synonyms	CBL; Cbl Proto-Oncogene; RNF55; C-Cbl; CBL2; Cas-Br-M (Murine) Ecotropic Retroviral Transforming Sequence; Cbl Proto-Oncogene, E3 Ubiquitin Protein Ligase; Casitas B-Lineage Lymphoma Proto-Oncogene; RING-Type E3 Ubiquitin Transferase CBL; E3 Ubiquitin-Protein Ligase CBL; Signal Transduction Protein CBL; RING Finger Protein 55; Proto-Oncogene C-Cbl; Oncogene CBL2; Fragile Site, Folic Acid Type, Rare, Fra(11)(Q23.3); EC 2.3.2.27; EC 6.3.2; FRA11B; NSLL.
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. Mutations in this gene are also the cause of Noonan syndrome-like disorder

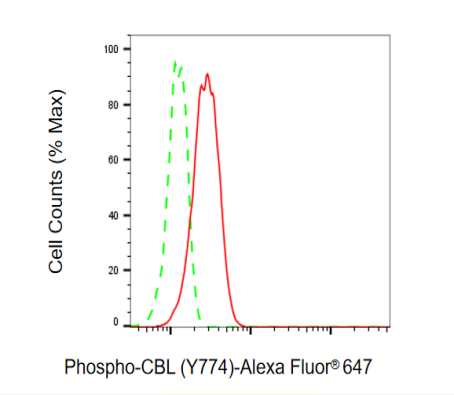
Validation Images



Western blotting analysis using phospho-CBL (Y774) antibody (R020083). Phospho-CBL (Y774) expression in wild-type (WT) and CBL shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-CBL (Y774) antibody (R020083, 1:5,000) and HRP-conjugated goat rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using phospho-CBL (Y774) antibody (R020083). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-CBL (Y774) antibody (R020083, 1:5,000) and HRP-conjugated goat rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Flow cytometric analysis of Phospho-CBL (Y774) expression in HT-1080 cells using Phospho-CBL (Y774) antibody (R020083, 1:2,000). Green, isotype control; red, Phospho-CBL (Y774).