PHOSPHO-CBL (TYR774) RABBIT MAB

Cat.#: N261727

Product Name: Anti-Phospho-CBL (Tyr774) Rabbit Monoclonal Antibody

Synonyms: 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

UNIPROT ID: P22681

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

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Tyr774 of human CBL

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R07-8A3

MW: Calculated MW: 100 kDa; Observed MW: 120 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Rat

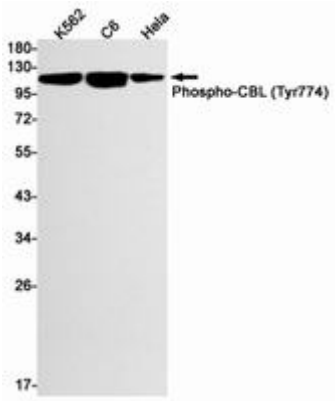
Conjugation: Unconjugated

Modification: Phosphorylated

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cell Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of Phospho-CBL (Tyr774) in K562, C6, Hela lysates using Phospho-CBL (Tyr774) antibody.