

Phospho-ABL1-Y393/ABL2-Y429 Rabbit pAb

Catalog No.: AP0282

Basic Information

Observed MW

210kDa

Calculated MW

122kDa/124kDa/60kDa/114-128kDa

Category

Primary antibody

Applications

WB,IF/ICC

Cross-Reactivity

Human, Mouse

Background

This gene is a protooncogene that encodes a protein tyrosine kinase involved in a variety of cellular processes, including cell division, adhesion, differentiation, and response to stress. The activity of the protein is negatively regulated by its SH3 domain, whereby deletion of the region encoding this domain results in an oncogene. The ubiquitously expressed protein has DNA-binding activity that is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function. This gene has been found fused to a variety of translocation partner genes in various leukemias, most notably the t(9;22) translocation that results in a fusion with the 5' end of the breakpoint cluster region gene (BCR; MIM:151410). Alternative splicing of this gene results in two transcript variants, which contain alternative first exons that are spliced to the remaining common exons. [provided by RefSeq, Aug 2014]

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:100 - 1:200

Immunogen Information

Gene ID

25/27

Swiss Prot

P00519/P42684

Immunogen

A phospho specific peptide corresponding to residues surrounding Y393/429 of human ABL1/2

Synonyms

ABL1/ABL2; Phospho-ABL1-Y393/ABL2-Y429

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

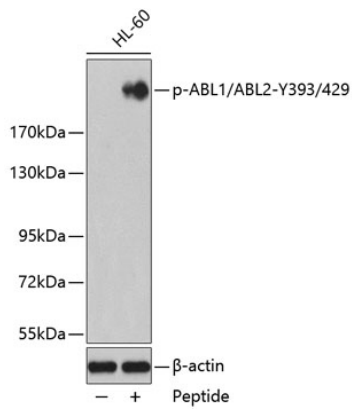
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts from HL60 cells using phospho-ABL1/2-Y393/429 antibody (AP0282) and the same antibody preincubated with blocking peptide.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.