



## Phospho-ABL1-Y412 Polyclonal Antibody

E9P000

**Catalog Number:** E9P002**Amount:** 100ul

**Background:** The ABL1 protooncogene encodes a cytoplasmic and nuclear protein tyrosine kinase that has been implicated in processes of cell differentiation, cell division, cell adhesion, and stress response. Activity of c-Abl protein is negatively regulated by its SH3 domain, and deletion of the SH3 domain turns ABL1 into an oncogene. The t(9;22) translocation results in the head-to-tail fusion of the BCR (MIM:151410) and ABL1 genes present in many cases of chronic myelogenous leukemia. The DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function for ABL1. The ABL1 gene is expressed as either a 6- or 7-kb mRNA transcript, with alternatively spliced first exons spliced to the common exons 2-11.

**Species:** Rabbit**Isotype:** IgG

**Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonyms:** ABL; JTK7; p150; c-ABL; v-abl; bcr/abl**Immunogen:** A phospho specific peptide corresponding to residues surrounding Y412 of human ABL1**Purification:** Affinity purification**Reactivity:** H M**Applications:** WB**Molecular Weight:****Swiss-Prot No.:** P00519**Gene ID:** 25**References:**

WB 1:500 - 1:2000