Anti-Phospho-ABL1 (Tyr412) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108820

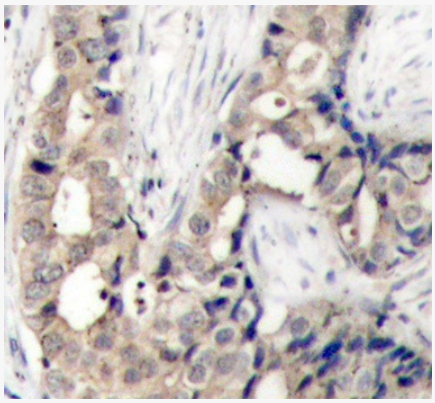
Product Information

Application	IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	IHC-P 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y412 of human ABL1 (NP_009297.2).
Format	Affinity purified polyclonal 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 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-ABL1 (Tyr412) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ABL; JTK7; p150; c-ABL; v-abl; CHDSKM; c-ABL1; BCR-ABL; bcr/abl; Phospho-c-Abl-Y412.
Calculated MW	Calculated MW: 123 kDa; Observed MW: Refer to figures
Uniprot ID	P00519
Gene ID	25
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.

Validation Images



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Phospho-c-Abl-Y412 Rabbit pAb (P108820). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.