

Anti-Phospho-C-ABL/ABL1 (Tyr412) Polyclonal Antibody 2

Product Details

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|-------------------|---|
| Ig Type: | IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 140 kDa. |
| Purification: | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

Applications

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| Application: | WB |
| Recommended | WB: 1:1000-2000 |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthesized phosphopeptide: human c-Abl around the phosphorylation site of Tyr412 |
| Antigen Species: | Human |
| Uniprot ID: | P00519 |
| Synonyms: | C-ABL/ABL1 (p-Tyr412);C-ABL/ABL1 (p-Y412);p-C-ABL/ABL1 (Y412);p-C-ABL/ABL1 (Tyr412) |

Research Background

ABL proto-oncogene 1, non-receptor tyrosine kinase(ABL1) Homo sapiens 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. [pr

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