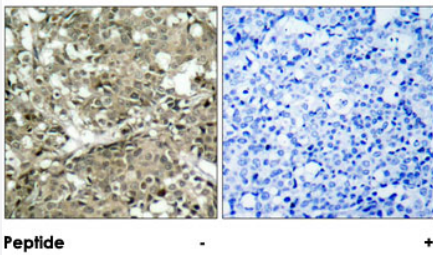


ABL1 polyclonal antibody

Catalog # PAB26720 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ABL1 polyclonal antibody (Cat # PAB26720).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ABL1.
Immunogen	A synthetic peptide corresponding to residues surrounding Y412 of human ABL1.
Sequence	D-T-Yp-T-A
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at $-20^{\circ}C$. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ABL1 polyclonal antibody (Cat # PAB26720).

Gene Info — ABL1

Entrez GeneID [25](#)

Protein Accession# [P00519](#)

Gene Name ABL1

Gene Alias ABL, JTK7, bcr/abl, c-ABL, p150, v-abl

Gene Description c-abl oncogene 1, receptor tyrosine kinase

Omim ID [189980](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

Abelson murine leukemia viral (v-abl) oncogene homolog 1|OTTHUMP00000022375|OTTHUMP0000022376|bcr/c-abl oncogene protein|proto-oncogene tyrosine-protein kinase ABL1|v-abl Abelson murine leukemia viral oncogene homolog 1

Pathway

- [Axon guidance](#)
- [Cell cycle](#)

- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
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- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)