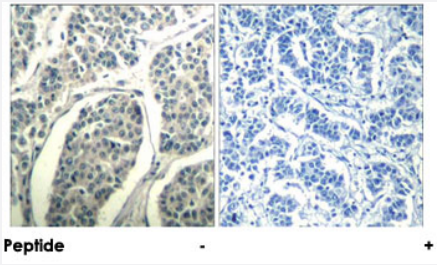
ABL1/ABL2 polyclonal antibody

Catalog # PAB26847 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ABL1/ABL2 polyclonal antibody (Cat # PAB26847).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ABL1/ABL2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding Y393/Y429 of human ABL1/ABL2.
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, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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/ABL2 polyclonal antibody (Cat # PAB26847).

Gene Info — ABL1

Entrez GeneID	25
Protein Accession#	P00519 (Gene ID : 25);P42684 (Gene ID : 27)
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 be en 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 domai n turns ABL1 into an oncogene. The t(9;22) translocation results in the head-to-tail fusion of the B CR (MIM:151410) and ABL1 genes present in many cases of chronic myelogeneous leukemia. T he DNA-binding activity of the ubiquitously expressed ABL1 tyrosine kinase is regulated by CDC 2-mediated phosphorylation, suggesting a cell cycle function for ABL1. The ABL1 gene is expres sed as either a 6- or 7-kb mRNA transcript, with alternatively spliced first exons spliced to the com mon exons 2-11. [provided by RefSeq
Other Designations	Abelson murine leukemia viral (v-abl) oncogene homolog 1|OTTHUMP00000022375|OTTHUMP0 0000022376|bcr/c-abl oncogene protein|proto-oncogene tyrosine-protein kinase ABL1|v-abl Abel son murine leukemia viral oncogene homolog 1

Gene Info — ABL2

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Entrez GeneID	27
Protein Accession#	P00519 (Gene ID : 25);P42684 (Gene ID : 27)
Gene Name	ABL2
Gene Alias	ABLL, ARG, FLJ22224, FLJ31718, FLJ41441
Gene Description	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)
Omim ID	164690
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Abelson family of nonreceptor tyrosine protein kinase. The protein is highly similar to the ABL1 protein, including the tyrosine kinase, SH2 and SH3 domains, and has a role in cytoskeletal rearrangements by its C-terminal F-actin- and microtubule-binding sequences. This gene is expressed in both normal and tumor cells, and is involved in translocation with the ETV6 gene in leukemia. Multiple alternatively spliced transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq
Other Designations	Abelson murine leukemia viral (v-abl) oncogene homolog 2|Abelson-related gene protein|OTTHUMP00000033139|arg tyrosine kinase|v-abl Abelson murine leukemia viral oncogene homolog 2

Pathway

- Axon guidance
- Cell cycle
- Chronic myeloid leukemia
- ErbB signaling pathway
- ErbB signaling pathway
- Neurotrophin signaling pathway
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer

Disease

- Adenocarcinoma
- Alzheimer disease

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- Alzheimer disease
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Cardiovascular Diseases
- Chronic Disease
- Diabetes Complications
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- HIV Infections
- Leukemia
- Metabolic Syndrome X
- Metabolic Syndrome X
- Neoplasms
- Neoplasms
- Osteoporosis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms

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