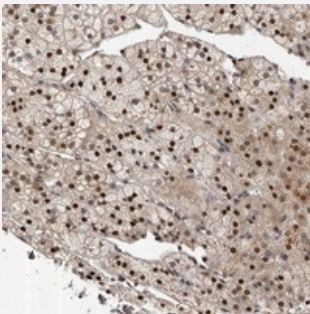


ABL1 polyclonal antibody

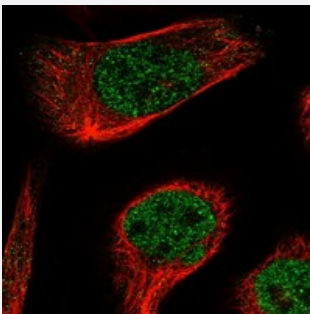
Catalog # PAB22144 Size 100 uL

Applications



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

Immunohistochemical staining of human adrenal gland with ABL1 polyclonal antibody (Cat # PAB22144) shows strong nuclear positivity in cortical cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with ABL1 polyclonal antibody (Cat # PAB22144) at 1-4 ug/mL dilution shows positivity in nucleus but not nucleoli.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant ABL1.
Immunogen	Recombinant protein corresponding to amino acids of human ABL1.
Sequence	PTPPKRSSSFREMDGQPERRGAGEEEEGRDISNGALFTPLDTADPAKSPKPSNGAGVPNGALR ESGGSGFRSPHLWKKSSLT
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:10-1:20) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°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 staining of human adrenal gland with ABL1 polyclonal antibody (Cat # PAB22144) shows strong nuclear positivity in cortical cells.

- Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with ABL1 polyclonal antibody (Cat # PAB22144) at 1-4 ug/mL dilution shows positivity in nucleus but not nucleoli.

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](#)
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- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)