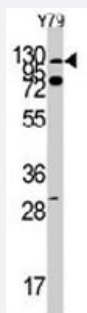


ABL1 polyclonal antibody

Catalog # PAB3414

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of ABL1 polyclonal antibody (Cat # PAB3414) in Y-79 cell line lysates (35 ug/lane). ABL1 (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ABL1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ABL1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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

- Western Blot (Cell lysate)

Western blot analysis of ABL1 polyclonal antibody (Cat # PAB3414) in Y-79 cell line lysates (35 ug/lane). ABL1 (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

Gene Info — ABL1

Entrez GeneID	25
Protein Accession#	NP_005148;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 CDC 2-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 OTTHUMP00000022376 bcr/c-abl oncogene protein proto-oncogene tyrosine-protein kinase ABL1 v-abl Abelson murine leukemia viral oncogene homolog 1

Publication Reference

- [Structure of a regulatory complex involving the Abl SH3 domain, the Crk SH2 domain, and a Crk-derived phosphopeptide.](#)

Donaldson LW, Gish G, Pawson T, Kay LE, Forman-Kay JD.

PNAS 2002 Oct; 99(22):14053.

- [Crystal structure of the abl-SH3 domain complexed with a designed high-affinity peptide ligand: implications for SH3-ligand interactions.](#)

Pisabarro MT, Serrano L, Wilmanns M.

Journal of Molecular Biology 1998 Aug; 281(3):513.

- [Intramolecular interactions of the regulatory domains of the Bcr-Abl kinase reveal a novel control mechanism.](#)

Nam HJ, Haser WG, Roberts TM, Frederick CA.

Structure 1996 Sep; 4(9):1105.

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](#)
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