

Rabbit Anti-ABL1 Polyclonal Antibody

CPB-1266RH Rabbit(ABL1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-ABL1 Polyclonal Antibody
Antigen Description	Regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. Localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. Regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired. Phosphorylates PSMA7 that leads to an inhibition of proteasomal activity and cell cycle transition blocks.
specificity	The antibody detects endogenous level of total ABL1 protein.
Target	ABL1
Immunogen	Peptide sequence around aa. 391~395/427~431 (D-T-Y-T-A) derived from ABL1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse
conjugation	N/A
Applications	WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN GENE INFORMATION

Gene Name	ABL1 c-abl oncogene 1, non-receptor tyrosine kinase [Homo sapiens]
Official Symbol	ABL1
Synonyms	ABL1; c-abl oncogene 1, non-receptor tyrosine kinase; ABL, c abl oncogene 1, receptor tyrosine kinase, v abl Abelson murine leukemia viral oncogene homolog 1; tyrosine-protein kinase ABL1; c ABL; JTK7; p150; proto-oncogene c-Abl; bcr/c-abl oncogene protein; Abelson tyrosine-protein kinase 1; c-abl oncogene 1, receptor tyrosine kinase; proto-oncogene tyrosine-protein kinase ABL1; v-abl Abelson murine leukemia viral oncogene homolog 1; ABL; c-ABL; v-abl; bcr/abl;
GeneID	25
mRNA Refseq	NM_005157
Protein Refseq	NP_005148
MIM	189980
UniProt ID	P00519
Chromosome Location	9q34.1

Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	ATP binding; DNA binding; SH3 domain binding; actin monomer binding; kinase activity; magnesium ion binding; manganese ion binding; mitogen-activated protein kinase binding; nicotinate-nucleotide adenylyltransferase activity; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; proline-rich region binding; protein C-terminus binding; protein binding; protein tyrosine kinase activity; receptor activity;