

Rabbit Phospho-ABL1-Y412 Polyclonal Antibody | anti-ABL1-Y412 antibody

Phospho-ABL1-Y412 Rabbit pAb

CATALOG # AAA282126	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Phospho-ABL1-Y412; Polyclonal Antibody; Phospho-ABL1-Y412 Rabbit pAb; ABL; JTK7; p150; c-ABL; v-abl; CHDSKM; c-ABL1; ABL1; c-Abl; bcr/abl; anti-ABL1-Y412 antibody

PRODUCT SPECIFICATIONS

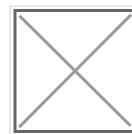
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-ABL1-Y412 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A phospho synthetic peptide corresponding to residues surrounding Y412 of human ABL1.
Cellular Location	Cytoplasm, Lipid-anchor, Mitochondrion, Nucleus, Nucleus membrane, cytoskeleton
Positive Samples	C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using Phospho-ABL1-Y412 antibody at dilution of 1:100 (40x lens).



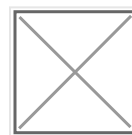
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human appendix using Phospho-ABL1-Y412 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using Phospho-ABL1-Y412 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of C6 cells, using Phospho-ABL1-Y412 pAb at 1:1000 dilution or ABL1 antibody (A0282). C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-ABL1-Y412 antibody	Background: This gene is a protooncogene that encodes a protein tyrosine kinase involved in a variety of cellular processes, including cell division, adhesion, differentiation, and response to stress. The activity of the protein is negatively regulated by its SH3 domain, whereby deletion of the region encoding this domain results in an oncogene. The ubiquitously expressed protein has DNA-binding activity that is regulated by CDC2-mediated phosphorylation, suggesting a cell cycle function. This gene has been found fused to a variety of translocation partner genes in various leukemias, most notably the t(9;22) translocation that results in a fusion with the 5' end of the breakpoint cluster region gene (BCR; MIM:151410). Alternative splicing of this gene results in two transcript variants, which contain alternative first exons that are spliced to the remaining common exons.
Product Categories/Family for anti-ABL1-Y412 antibody	Protein phosphorylation; Research; Signal Transduction; Kinase; Tyrosine kinases; Research; Signal Transduction; ErbB-HER Signaling Pathway; Research; Signal Transduction; MAPK-JNK Signaling Pathway; Research; Cell Biology & Developmental Biology; Cell Cy

NCBI AND UNIPROT INFORMATION

NCBI GI #	62362414
NCBI GeneID	25
NCBI Accession #	NP_005148.2
NCBI GenBank Nucleotide #	NM_005157.4
UniProt Accession #	P00519; Q13869; Q13870; Q16133; Q17R61; Q45F09; A3KFJ3
Molecular Weight	122,873 Da
NCBI Official Full Name	tyrosine-protein kinase ABL1 isoform a
NCBI Official Synonym Full Names	c-abl oncogene 1, non-receptor tyrosine kinase
NCBI Official Symbol	ABL1
NCBI Official Synonym Symbols	ABL; JTK7; p150; c-ABL; v-abl; bcr/abl
NCBI Protein Information	tyrosine-protein kinase ABL1; 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
UniProt Protein Name	Tyrosine-protein kinase ABL1
UniProt Gene Name	ABL1
UniProt Synonym Gene Names	ABL; JTK7
UniProt Entry Name	ABL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.