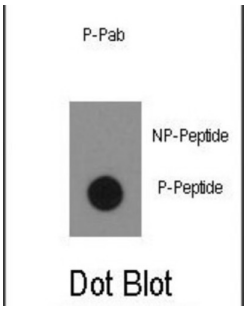
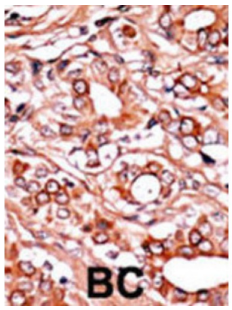
ABL1 (pY134) Antibody

Catalogue No.:abx031820





ABL1 is 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 and ABL1 genes present in many cases of chronic myelogeneous 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.

Target:	ABL1 (pY134)
Clonality:	Polyclonal
Target Modification:	Tyr134
Modification:	Phosphorylation
Reactivity:	Human
Tested Applications:	ELISA, IHC, DB
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/50 - 1/100, DB: 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated

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Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y134 of human ABL1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by protein G affinity chromatography. Then, the antibody fraction was peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody was eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P00519 (UniProt, ExPASy)
Gene Symbol:	ABL1
GeneID:	25
OMIM:	189980
HGNC:	76
KEGG:	hsa:25
Ensembl:	ENSG00000097007
String:	9606.ENSP00000361423
Molecular Weight:	Calculated MW: 123 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse and Zebrafish ABL1.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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