

Datasheet for ABIN389501
anti-ABL1 antibody (pTyr134)



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2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	ABL1
Binding Specificity:	pTyr134
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	This ABL1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y134 of human ABL1.
Clone:	RB7343
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ABL1
Alternative Name:	ABL1 (ABL1 Products)

Target Details

Background: 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 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.

Molecular Weight: 122873

Gene ID: 25

NCBI Accession: [NP_005148](#), [NP_009297](#)

UniProt: [P00519](#)

Pathways: [Apoptosis](#), [Regulation of Muscle Cell Differentiation](#), [Platelet-derived growth Factor Receptor Signaling](#), [Lipid Metabolism](#)

Application Details

Application Notes: IHC-P: 1:50~100. DB: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

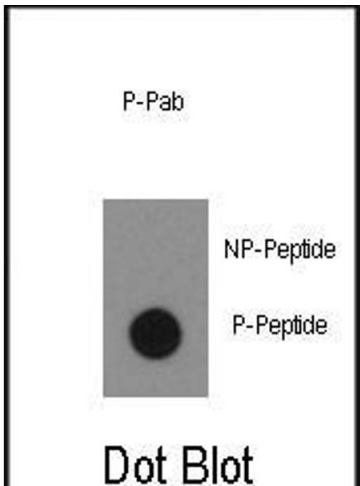
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

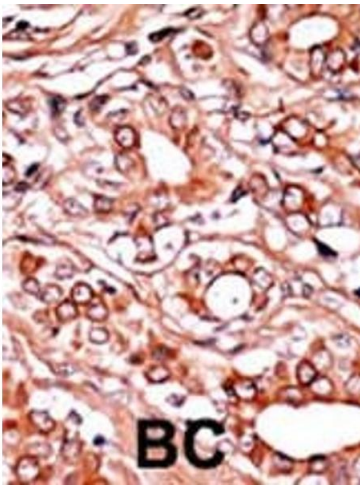
Expiry Date: 6 months

Product cited in: Asmussen, Lasater, Tajon, Oses-Prieto, Jun, Taylor, Burlingame, Craik, Shah: "MEK-dependent negative feedback underlies BCR-ABL-mediated oncogene addiction." in: **Cancer discovery**, Vol. 4, Issue 2, pp. 200-15, (2014) ([PubMed](#)).



Dot Blot

Image 1. Dot blot analysis of anti-Phospho-ABL1- Antibody (ABIN389501 and ABIN2839559) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.