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Datasheet for ABIN389501

## anti-ABL1 antibody (pTyr134)

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 ( <a href="#">ABL1 Products</a> )

## Target Details

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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:	<a href="#">NP_005148</a> , <a href="#">NP_009297</a>
UniProt:	<a href="#">P00519</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">Lipid Metabolism</a>

## Application Details

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Application Notes:	IHC-P: 1:50~100. DB: 1:500
Restrictions:	For Research Use only

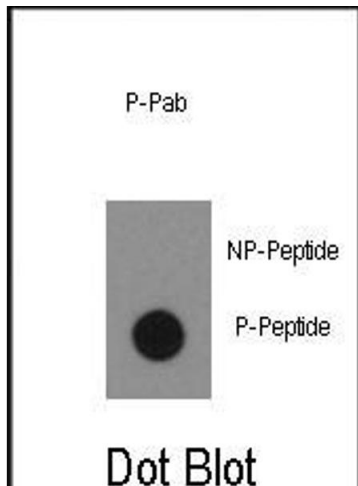
## Handling

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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

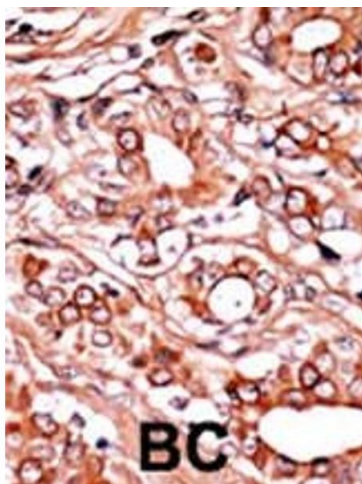
Product cited in: Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of *Helicoverpa armigera* with mutations of an ABC transporter gene *HaABCA2* confers resistance to *Bacillus thuringiensis* Cry2A toxins." in: **Insect biochemistry and molecular biology**, Vol. 87, pp. 147-153, (2017) ([PubMed](#)).

Images



**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.