

Datasheet for ABIN7265158  
**anti-ABL1 antibody (pTyr412)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	200 µL
Target:	ABL1
Binding Specificity:	pTyr412
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding Y412 of human ABL1
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

## Target Details

Target:	ABL1
Alternative Name:	ABL1 ( <a href="#">ABL1 Products</a> )
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

## Target Details

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.

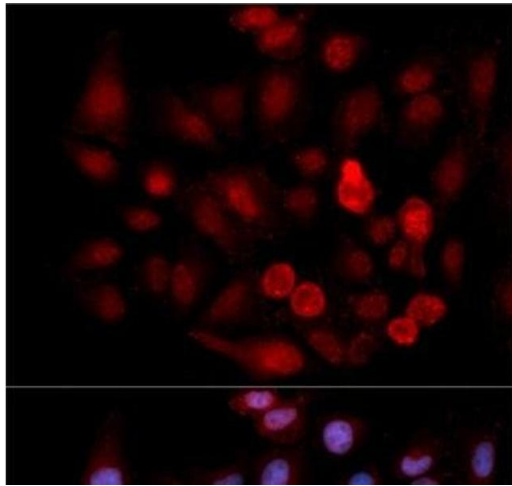
Gene ID:	25
UniProt:	<a href="#">P00519</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">Lipid Metabolism</a>

## Application Details

Application Notes:	IHC 1:50-1:100 IF 1:100-1:200
Restrictions:	For Research Use only

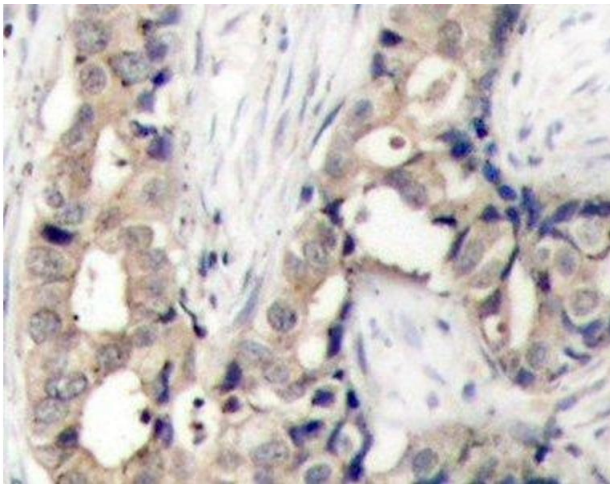
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



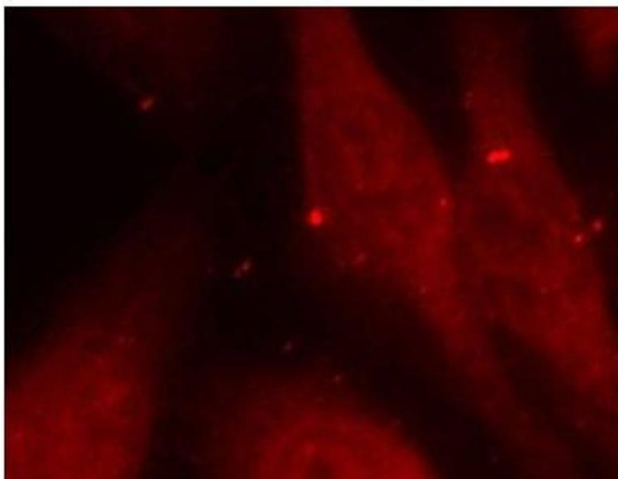
#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of MCF-7 cells using Phospho-ABL1(Y412) Polyclonal Antibody



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded Human breast carcinoma using Phospho-ABL1(Y412) Polyclonal Antibody



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-ABL1(Y412) Polyclonal Antibody