



Datasheet for ABIN7265008 anti-ABL1 antibody (pTyr245)

3 Images

[Go to Product page](#)

Overview

Quantity: 200 µL

Target: ABL1

Binding Specificity: pTyr245

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Conjugate: This ABL1 antibody is un-conjugated

Application: Immunohistochemistry (IHC)

Product Details

Immunogen: A phospho specific peptide corresponding to residues surrounding Y245 of human ABL1

Isotype: IgG

Characteristics: Phosphorylated antibody

Purification: Affinity purification

Target Details

Target: ABL1

Alternative Name: ABL1 ([ABL1 Products](#))

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.

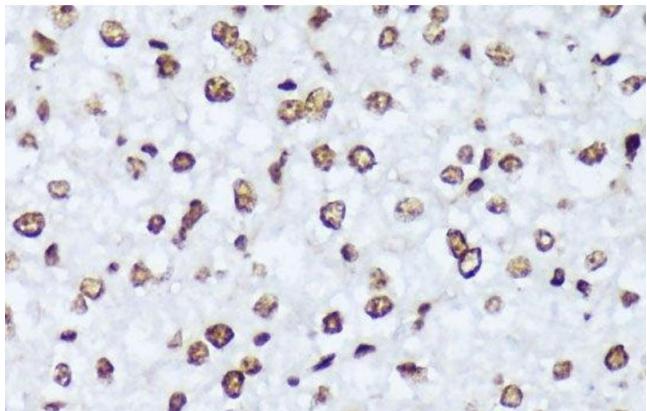
Gene ID:	25
UniProt:	P00519
Pathways:	Apoptosis , Regulation of Muscle Cell Differentiation , Platelet-derived growth Factor Receptor Signaling , Lipid Metabolism

Application Details

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

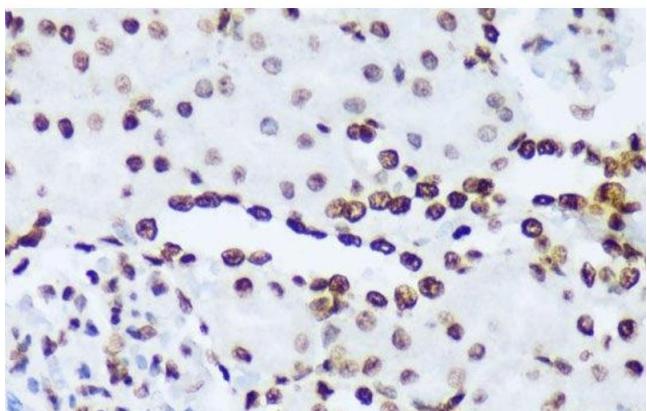
Handling

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.



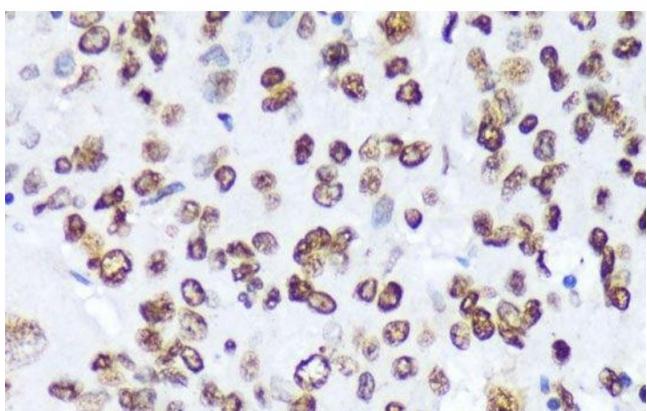
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Mouse liver using Phospho-ABL1(Y245) Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Rat kidney using Phospho-ABL1(Y245) Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human liver cancer using Phospho-ABL1(Y245) Polyclonal Antibody at dilution of 1:100 (40x lens).