Datasheet for ABIN319407

anti-ABL1/2 antibody (Tyr393, Tyr429)

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Overview

Quantity:	0.1 mL
Target:	ABL1/2 (ABL1/ABL2)
Binding Specificity:	Tyr393, Tyr429
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1/2 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human ABL1/2 around the phosphorylation site of Tyrosine 393/429 (D-T-YP-T-A).
Purification:	Immunoaffinity Chromatography.

Target Details

Target:	ABL1/2 (ABL1/ABL2)
Alternative Name:	ABL1 / ABL2 (ABL1/ABL2 Products)
Background:	ABL1, an Abl type protein kinase, is associated with cell differentiation, cell division, cell adhesion and stress response. Kinase activity of nuclear ABL1 is mediated by retinoblastoma protein. Additionally, ABL1 has been shown to bind nuclear DNA, and this binding activity is regulated by CDC2-mediated phosphorylation. ABL1 (-/-) mice are osteoporotic and display

Target Details

	increased perinatal mortality, reduced fertility, foreshortened crania and defects in the maturation of B cells in bone marrow. At least two mRNA isoforms have been reported, 6- or 7-kb, with alternatively spliced first exons joined to the common exons 2-11. Alterations of ABL1 by chromosomal rearrangement or viral transduction lead to malignant transformation. Further, a very long intron in the ABL1 gene is a target for translocations. Translocations of ABL1 to the breakpoint cluster region (BCR) on chromosome 22 lead to chronic myeloid leukemia and acute lymphocytic leukemia.Synonyms: ABL1 antibody, ABL2 antibody, Abelson Murine Leukemia Viral Oncogene Homolog 1 antibody, Bcr/c abl oncogene protein antibody, JTK7 antibody, Transformation gene oncogene ABL antibody, c-ABL antibody, p150 antibody

Application Details

Application Notes:	Immunohistochemistry (1/50-1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % Sodium Azide and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at-20 °C.

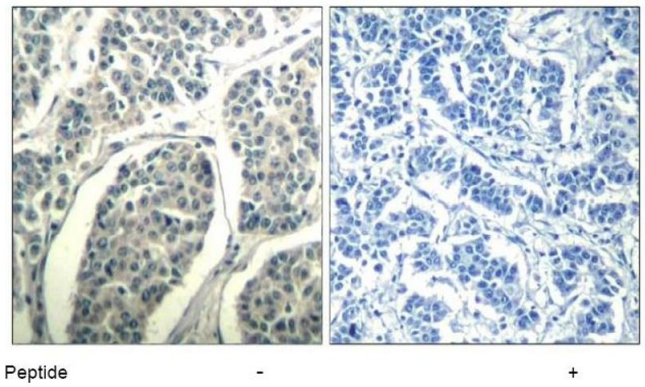

Image 1.

