Datasheet for ABIN362459

anti-ABL1/2 antibody (pTyr393, pTyr429)

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Overview

Quantity:	50 µL
Target:	ABL1/2 (ABL1/ABL2)
Binding Specificity:	pTyr393, pTyr429
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1/2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of pTyr393, 429 (D-T-Y (p) -T-A) derived from Human ABL1, 2. Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.
Isotype:	IgG
Specificity:	The antibody detects endogenous level of ABL1/2 only when phosphorylated at tyrosine393/429.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography usingepitope-specific phosphopeptide. The antibody against non-phosphopeptide was removedby chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Target Details

Target:	ABL1/2 (ABL1/ABL2)
Alternative Name:	ABL1/2 (ABL1/ABL2 Products)
Background:	Regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. Localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. Regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired. Phosphorylates PSMA7 that leads to an inhibition of proteasomal activity and cell cycle transition blocks.
Molecular Weight:	210 kDa
NCBI Accession:	NP_001129, NP_005148
UniProt:	P42684

Application Details

Application Notes:	Western blotting: 1:500-1:1000 Immunohistochemistry: 1:50-1:100 Immunofluorescence: 1:100-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (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.
Storage:	4 °C/-20 °C
Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.