

Datasheet for ABIN540467

anti-ABL1 antibody (pTyr393, pTyr429)**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ABL1
Binding Specificity:	pTyr393, pTyr429
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ABL1/ABL2.
Immunogen:	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y393/Y429 of human ABL1/ABL2.
Sequence:	DTYpTA
Specificity:	ABL1/2 (phospho-Tyr393/429) Antibody detects endogenous levels of ABL1/2 only when phosphorylated at tyrosine393/429.
Cross-Reactivity:	Human, Mouse
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	ABL1
Alternative Name:	ABL1 (ABL1 Products)
Gene ID:	25, 27
Pathways:	Apoptosis , Regulation of Muscle Cell Differentiation , Platelet-derived growth Factor Receptor Signaling , Lipid Metabolism

Application Details

Application Notes:	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

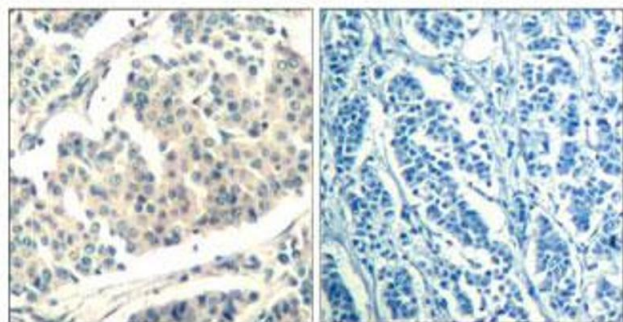
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50 % glycerol, 0.02 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Pluk, Dorey, Superti-Furga: "Autoinhibition of c-Abl." in: Cell , Vol. 108, Issue 2, pp. 247-59, (2002) (PubMed).
	Danial, Rothman: "JAK-STAT signaling activated by Abl oncogenes." in: Oncogene , Vol. 19, Issue 21, pp. 2523-31, (2000) (PubMed).
	Brasher, Van Etten: "c-Abl has high intrinsic tyrosine kinase activity that is stimulated by

mutation of the Src homology 3 domain and by autophosphorylation at two distinct regulatory tyrosines." in: **The Journal of biological chemistry**, Vol. 275, Issue 45, pp. 35631-7, (2000) ([PubMed](#)).

Images



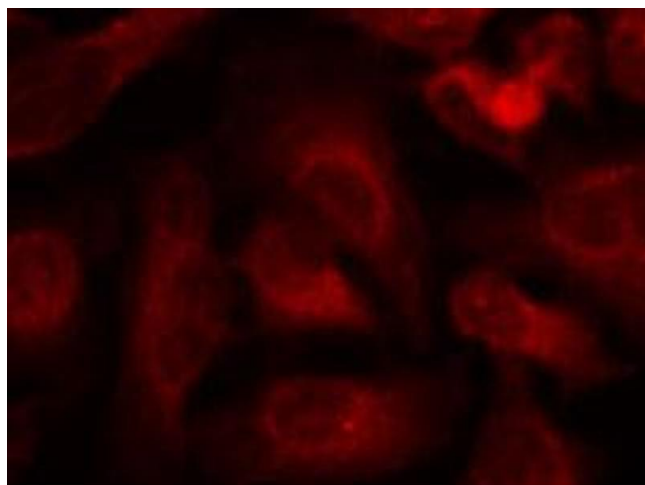
P-Peptide

-

+

Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ABL1/ABL2 (phospho Y393/429) polyclonal antibody .



Immunofluorescence

Image 2. Immunofluorescence staining of methanol-fixed HeLa cells using ABL1/ABL2 (phospho Y393/429) polyclonal antibody (Cat # PAB12190, red).