Datasheet for ABIN3020872

anti-ABL1 antibody (AA 490-590)

6 Images

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Overview

Quantity:	100 µL
Target:	ABL1
Binding Specificity:	AA 490-590
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 490-590 of human ABL1 (NP_005148.2).
Sequence:	HQAFETMFQE SSISDEVEKE LGKQGVRGAV STLLQAPELP TKTRTSRRAA EHRDTTDVPE MPHSKGQGES DPLDHEPAVS PLLPRKERGP PEGGLNEDER L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
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 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.,ABL,JTK7,p150,c-ABL,v-abl,CHDSKM,c-ABL1,ABL1,c-Abl,bcr/abl,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Kinase,Tyrosine kinases,ErbB-HER Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,G1/S Checkpoint,G2/M DNA Damage Checkpoint,Microtubules,TGF-b-Smad Signaling Pathway,Immunology & Inflammation,ABL1
Molecular Weight:	122 kDa/124 kDa
Gene ID:	25
UniProt:	P00519
Pathways:	Apoptosis, Regulation of Muscle Cell Differentiation, Platelet-derived growth Factor Receptor Signaling, Lipid Metabolism

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

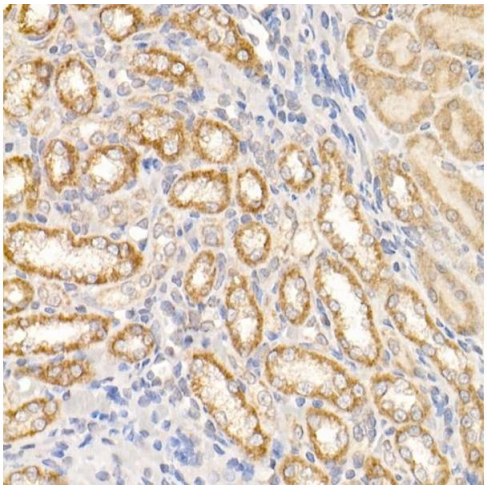
Handling

Format:	Liquid
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

Handling

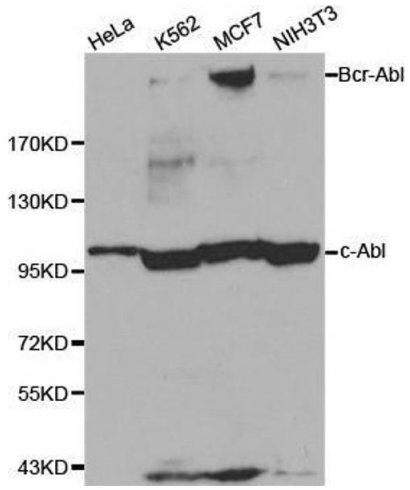
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



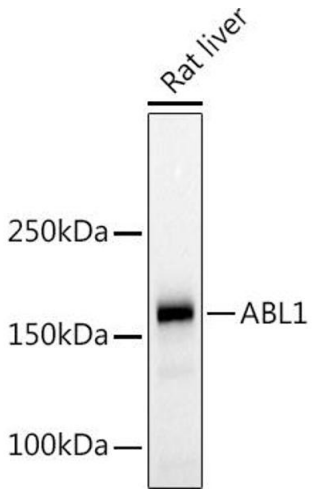
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using c-Abl Rabbit pAb (ABIN3020871, ABIN3020872, ABIN3020873 and ABIN6213767) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ABL1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of Rat liver, using c-Abl Rabbit pAb (ABIN3020871, ABIN3020872, ABIN3020873 and ABIN6213767) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.

Please check the product details page for more images. Overall 6 images are available for ABIN3020872.