ABL1 Polyclonal Antibody

Catalog Number:E-AB-60067

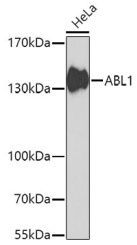
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

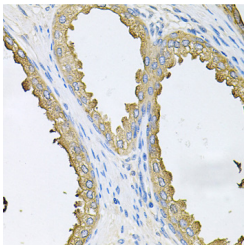
Reactivity	Human,Rat
Immunogen	A synthetic peptide of human ABL1 (NP_005148.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:200
IF	1:50-1:200

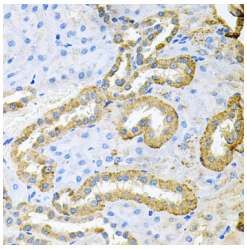
Data



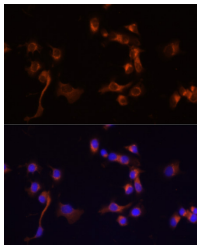
Western blot analysis of extracts of HeLa cells using ABL1 Polyclonal Antibody at dilution of 1:1000.
Observed Mw:139kDa
Calculated Mw:122kDa/124kDa



Immunohistochemistry of paraffin-embedded Human prostate using ABL1 Polyclonal Antibody at dilution of 1:100 (40x lens).



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



Immunofluorescence analysis of A431 cells using ABL1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene is a protooncogene that encodes a protein tyrosine kinase involved in a variety of cellular processes, including

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com