

For Research Use Only

# ABL1 Polyclonal antibody

Catalog Number: 29725-1-AP



## Basic Information

<b>Catalog Number:</b> 29725-1-AP	<b>GenBank Accession Number:</b> BC117451	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 25	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> c-abl oncogene 1, receptor tyrosine kinase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1149 aa, 125 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, LNCaP cells
<b>Species Specificity:</b> Human	

## Background Information

ABL1, also named as ABL, JTK7, c-ABL and p150, belongs to the protein kinase superfamily, Tyr protein kinase family and ABL subfamily. ABL1 regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. ABL1 localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. It regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired. ABL1 catalyze the reaction: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. A chromosomal aberration involving ABL1 is a cause of chronic myeloid leukemia (CML) [MIM:608232]. Translocation t(9;22)(q34;q11) with BCR. The translocation produces a BCR-ABL found also in acute myeloid leukemia (AML) and acute lymphoblastic leukemia (ALL).

## Storage

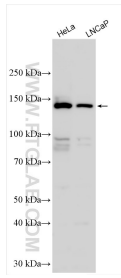
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29725-1-AP (ABL1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.