

For Research Use Only

ABL1 Polyclonal antibody, PBS Only

Catalog Number: 29725-1-PBS



Basic Information

Catalog Number: 29725-1-PBS	GenBank Accession Number: BC117451	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 25	
Source: Rabbit	UNIPROT ID: P00519	
Isotype: IgG	Full Name: c-abl oncogene 1, receptor tyrosine kinase	
	Calculated MW: 1149 aa, 125 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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

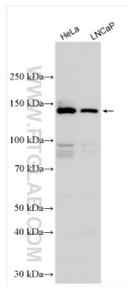
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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
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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. This data was developed using the same antibody clone with 29725-1-PBS in a different storage buffer formulation.