

# AB-PK504

## Abl1-pY139 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Abl (Abl1)



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Abelson murine leukemia viral oncogene homologue 1
<b>Alias:</b>	Abelson murine leukemia viral oncogene 1; ABL; C-ABL; JTK7; P150; v-abl Abelson murine leukemia viral oncogene 1; ENSG0000097007; Q13688; Q13914; Q59FK4
<b>UniProt ID:</b>	P00519
<b>Sequence Predicted Mass (KDa):</b>	124.955 (1149 AA; P00519-2); 122.873 (1130 AA; P00519)
<b>Observed SDS-PAGE Mass (KDa):</b>	140-142

### Immunogen

<b>Antibody Immunogen Source:</b>	Human Abl (Abl1) sequence peptide Cat. No.: PE-04AGC99
<b>Antibody Immunogen Sequence:</b>	AAE(pY)LLS(bA)C (bA) = beta-alanine
<b>Location in Target:</b>	Corresponds to amino acid residues A136 to S142; In the SH2 domain.
<b>Peptide Type:</b>	For phosphosite-specific recognition of target.
<b>Target Phosphosite:</b>	Tyr-139

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	Immunoglobulin G
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
<b>Antibody Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	150106
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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### Applications

<b>Product Use:</b>	Western blotting   Antibody microarrays
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human, mouse, rat and many other vertebrates; Phosphosite is highly conserved in diverse species
<b>Detection by Immunoblotting in Cell/Tissue Lysates:</b>	Medium immunoreactivity of a target-sized protein by Western blotting in serum-starved A431 cells treated with for 10 minutes with 10% fetal calf serum.
<b>Overall Antibody Specificity:</b>	High selectivity
<b>Antibody Cross Reactivities:</b>	Prominent 75 and 80 KDa cross-reactive proteins are detected in FBS-treated A431 cells and forskolin-treated HEK-293 cells.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINEXUS(546-3987)