

AB-PK896

Abl1-pY413 Antibody

Phosphosite-specific rabbit polyclonal antibody for Abl (Abl1). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Abelson murine leukemia viral oncogene homologue 1
Protein Alias:	Abelson murine leukemia viral oncogene 1; Abl; C-Abl; JTK7; P150; v-abl Abelson murine leukemia viral oncogene 1; ENSG00000097007; Q13688; Q13914; Q59FK4
UniProt ID:	P00519
Protein Molecular Mass:	124,955 Da (1149 AA; P00519-2); 122,873 Da (1130 AA; P00519)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Abl1
Antibody Immunogen Sequence:	SLA(pY)NKFSC
Antibody Immunogen Description:	Corresponds to amino acid residues S410 to S417. The effect of Y413 phosphorylation is unclear, but it is appreciably phosphorylated <i>in vivo</i> (>164 mass spectrometry reports recorded in PhosphoSitePlus). Abl is known to be phosphorylated at this site <i>in vitro</i> by Abl1.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп 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 these animals 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.
Amount:	25 µg
Antibody Concentration:	0.45 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	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.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Dog Rat Mouse Platypus Chicken Fruit fly

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 <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987