

AB-PK948

Src-pY530 Antibody

Phosphosite-specific rabbit polyclonal antibody for Src



KINEXUS

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Src proto-oncogene-encoded protein-tyrosine kinase
Protein Alias:	ASV; c-Src; p60-SRC; p60-Src; SRC1; ASV; CCDS13294.1; ENSG00000197122
UniProt ID:	P12931
Protein Molecular Mass:	60,589 Da (542 AA; P12931-2); 59,835 Da (536 AA; P12931)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Src
Antibody Immunogen Sequence:	EPQ(pY)QPG(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues E327 to G333. Src Y530 phosphorylation inhibits phosphotransferase activity and induces interaction with Src and AFAP. This is a major site of <i>in vivo</i> phosphorylation of Src (≥989 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). Src is known to be phosphorylated at this site <i>in vitro</i> by Chk1 (CHEK1), CSK, CTK (MATK), and Src.
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 multipепptide 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:	0.75 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 Rhesus Macaque Dog Rat Mouse Platypus Chicken Frog Zebra fish

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