

# AB-PK881

## Fyn-pY420 Antibody

Phosphosite-specific rabbit polyclonal antibody for Fyn. This phospho-tyrosine-site antibody is highly specific for phosphotyrosine.

Website: [www.kinexus.ca](http://www.kinexus.ca)  
Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547



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

### Target Protein

<b>Protein Name Long:</b>	Fyn proto-oncogene-encoded protein-tyrosine kinase
<b>Protein Alias:</b>	Fyn; Fyn oncogene related to SRC, FGR, YES; Kinase Fyn; MGC45350; P59-Fyn; P59-Fyn; SLK; SYN; hCG_34806; RP1-66H14.1-003; CCDS5094.1; ENSG00000010810
<b>UniProt ID:</b>	P06241
<b>Protein Molecular Mass:</b>	60,762 Da (537 AA; P06241); 60,141 Da (534 AA; P06241-2); 54,513 Da (482 AA; P06241-3)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human Fyn
<b>Antibody Immunogen Sequence:</b>	DNE(pY)TAR(βA)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues D417 to R423. Y420 phosphorylation is expected to be stimulatory to Fyn's phosphotransferase activity. Phosphorylation induces binding of the phosphatase STEP. Y420 is the most commonly reported site for phosphorylation of Fyn by mass spectrometry (≥3,090 reports). Fyn is known to be phosphorylated at this site <i>in vitro</i> by Fyn.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	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.
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</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.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Chimpanzee   Rhesus Macaque   Dog   Rat   Mouse   Platypus   Chicken   Frog   Zebra fish   Tiger blowfish   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