

AB-PK645

Fyn-pY531 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Fyn



KINEXUS

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Target Protein

Name Long:	Fyn proto-oncogene-encoded protein-tyrosine kinase
Alias:	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
UniProt ID:	P06241
Sequence Predicted Mass (KDa):	60.762 (537 AA; P06241); 60.141 (534 AA; P06241-2); 54.513 (482 AA; P06241-3)
Observed SDS-PAGE Mass (KDa):	50-60

Immunogen

Antibody Immunogen Source:	Human Fyn sequence peptide Cat. No.: PE-04AKJ90
Antibody Immunogen Sequence:	EPQ(pY)QPG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues E528 to G534; In the C-terminus of the kinase. This is the major in vivo phosphorylation sites in Fyn.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-531

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	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.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141024
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	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

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Medium immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	Very high selectivity

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 or contact us at 1-866-KINEXUS(546-3987)