

AB-PN530

PLCG1-pY783 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human PLCG1



KINEXUS

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Target Protein

Name Long:	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2
Alias:	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1; NCKAP3; Phospholipase C, gamma 1; Phospholipase C-gamma-1; PLC1; PLC148; PLC-148; PLCG-1; PLCgamma1; PLC-gamma1; PLC-II
UniProt ID:	P19174
Sequence Predicted Mass (KDa):	148.532 (1.290 AA; P19174-1); 148.660 (1.291 AA; P19174-2);
Observed SDS-PAGE Mass (KDa):	140-155

Immunogen

Antibody Immunogen Source:	Human PLCG1 sequence peptide Cat. No.: PE-04AFD99
Antibody Immunogen Sequence:	PGF(pY)VEA(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues P780 to A786; In the intervening region between the second SH2 domain and the SH3 domain in PLCG1. This is one of the major sites of in vivo phosphorylation of PLCG1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-783

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:	150115
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
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

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)