

AB-PN531

PLCG2-pY759 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human PLCG2 (PLC R)



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-2; Phosphoinositide phospholipase C-gamma-2; phospholipase C gamma 2; phospholipase C, gamma 2 (phosphatidylinositol-specific); phospholipase C, gamma 2 (phosphatidylinositol-specific); Phospholipase C-gamma-2; Phospholipase C-IV; PLC-gamma-2; PLC-IV; PLCG2
UniProt ID:	P16885
Sequence Predicted Mass (KDa):	147870 (1.265 AA; P16885)
Observed SDS-PAGE Mass (KDa):	140-160

Immunogen

Antibody Immunogen Source:	Human PLCG2 (PLC R) sequence peptide Cat. No.: PE-04ADH99
Antibody Immunogen Sequence:	SRM(pY)VDP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues S756 to P762; Near the end of the second SH2 domain in the protein. One of the major in vivo phosphorylation sites in PLCG2.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-759

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:	150106
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)