

AB-PN546

PCYT1B-pS315+pS319 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human PCYT1B; CCTB



KINEXUS

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Target Protein

Name Long:	CTP: phosphocholine cytidyltransferase isoform B
Alias:	CCT B; CCT-beta; CCTB; Choline-phosphate cytidyltransferase B; CT B; CTB; CTP:phosphocholine cytidyltransferase B; PCY1B; PCYT1B; phosphate cytidyltransferase 1, choline, beta; Phosphorylcholine transferase B
UniProt ID:	Q9Y5K3
Sequence Predicted Mass (KDa):	41.940 (369 AA; Q9Y5K3); 40.229 (351 AA; Q9Y5K3-4); 40.206 (351 AA; Q9Y5K3-3); 38.086 (330 AA; Q9Y5K3-2)
Observed SDS-PAGE Mass (KDa):	40-52

Immunogen

Antibody Immunogen Source:	Human PCYT1B; CCTB sequence peptide Cat. No.: PE-04ARF95
Antibody Immunogen Sequence:	LQAL(pS)PKQ(pS)PV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues L311 to V321; Near the C-terminus of the protein. This is the main in vivo phosphorylation site in PCYT1B.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-315+Ser-319

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 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 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:	160121
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
Antibody Positive Controls:	
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in A431, HeLa and MCF7 cells.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in A431, HeLa and MCF7 cells.

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)