

# AB-PN721

## PLCE1-pS1096+pT1100 Antibody

Phosphosite-specific rabbit polyclonal antibody for PLCE1



**KINEXUS**

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### Target Protein

<b>Protein Name Long:</b>	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase epsilon-1
<b>Protein Alias:</b>	KIAA1516; Nephrosis type 3; NPHS3; Pancreas-enriched phospholipase C; Phosphoinositide-specific phospholipase C epsilon-1; Phospholipase C, epsilon 1; PLCE; PLC-epsilon-1
<b>UniProt ID:</b>	Q9P212
<b>Protein Molecular Mass:</b>	258,715 Da (2,302 AA; Q9P212-1); 223,872 Da (1,994 AA; Q9P212-2)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human PLCE1
<b>Antibody Immunogen Sequence:</b>	RGE(pS)GEV(pT)DDE( $\beta$ A)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues R1093 to E1103. The effect of S1096 and T1100 phosphorylation is unclear. These are two of the major <i>in vivo</i> phosphorylation sites in PLCE1 ( $\geq 19$ and $> 5$ reports, respectively, by mass spectrometry). These human phosphosites are conserved in mammals and found in the rat.
<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 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 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 $\mu$ g
<b>Antibody Concentration:</b>	0.25 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 $-40^{\circ}\text{C}$ or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ 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   Rat   Mouse

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