

# PE-04AOS99-P

## PKCa (494-500) pT497 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PKCa (PRKCA)



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Protein-serine kinase C alpha
<b>Name Alias:</b>	AAG6; Kinase PKC-alpha; KPCA; PKC III; PKC-A; PKC-alpha; PKC-III; PRKACA; Protein kinase C, alpha; Protein kinase C, alpha type; MGC129900; MGC129901; CCDS11664.1; P17252; ENSG00000154229
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P17252

### Peptide Structure

<b>Peptide Name:</b>	PKCa (494-500) pT497
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	T494-G500
<b>Peptide Sequence:</b>	TTR(pT)FCG(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1038.1
<b>Observed Peptide Mass:</b>	1038.0
<b>% Peptide Purity:</b>	98.04
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAX-82
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the PKCa-pT497 rabbit polyclonal antibody (Cat. No.: PK763) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
---------------------	--

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](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)