

## Rabbit polyclonal antibody to human Protein kinase C alpha (659-672): Affinity purified

<b>Catalogue No.:</b>	R-1096-100
<b>Description:</b>	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Protein kinase C alpha (PKC-alpha) belongs to the Protein kinase C family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC-alpha is one of at least 12 different types of Protein kinase C identified in humans. PKC-alpha is ubiquitously expressed and has roles in many different cellular processes including cell adhesion, cell transformation, proliferation, differentiation and cell cycle checkpoint.
<b>Replaced by:</b>	R-1748-100
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 µg
<b>Antigen:</b>	A synthetic peptide (VNPQFVHPILQSAV) corresponding to a region (659-672) from the C-terminus of human Protein kinase C alpha. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	PKC-alpha; PKC-A; EC 2.7.11.13; PRKCA; PKCA; PRKACA;
<b>Accession:</b>	P17252 KPCA_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 µg/ml is recommended for WB. Human Protein kinase C alpha has a predicted length of 672 residues and MW of 77 kDa. A concentration of 0.5-1.0 µg/ml is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat; predicted to react with Rb due to sequence homology;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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