



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

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| Catalogue No.: | R-1096-100 |
| Description: | THIS PRODUCT HAS BEEN SUPERCEDED.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. |
| Replaced by: | R-1748-100 |
| Batch No.: | See product label |
| Unit size: | 100 µg |
| Antigen: | 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. |
| Other Names: | PKC-alpha; PKC-A; EC 2.7.11.13; PRKCA; PKCA; PRKACA; |
| Accession: | P17252 KPCA_HUMAN; |
| Produced in: | Rabbit |
| Purity: | Affinity purified on antigen column |
| Applications: | 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. |
| Specificity: | The specificity of this antibody has been confirmed by WB and IHC against the antigen. |
| Cross-reactivity: | Human; mouse; rat; predicted to react with Rb due to sequence homology; |
| Form: | Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ |
| Reconstitution: | Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material. |
| Storage: | 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 |
| Expiry Date: | 12 months after purchase |

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