

Anti-PKC alpha/PRKCA Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9318-Fluoro647

About PRKCA

Protein kinase C (PKC) is the major phorbol ester receptor. Activation of PKC by calcium ions and the second messenger diacylglycerol is thought to play a central role in the induction of cellular responses to a variety of ligand-receptor systems and in the regulation of cellular responsiveness to external stimuli. Three of these, termed alpha, beta and gamma, are highly homologous. PRKCA1 is mapped to 17q22-q23.2. PRKCA1 regulates cardiac contractility and propensity toward heart failure.

Overview

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| Product Name | Anti-PKC alpha/PRKCA Antibody Picoband® Fluoro647 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P17252 |

Technical Details

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| Immunogen | E.coli-derived human PKC alpha recombinant protein (Position: M153-L342). Human PKC alpha shares 97% and 99% amino acid (aa) sequence identity with mouse and rat PKC alpha, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

8 Publications Citing This Product

1. PubMed ID: 26176219, Molecular Mechanism of the Cell Death Induced by the Histone Deacetylase Pan Inhibitor LBH589 (Panobinostat) in Wilms Tumor Cells
2. PubMed ID: 26279755, Different localization and expression of protein kinase C-beta in kidney cortex of diabetic nephropathy mice and its role in telmisartan treatment
3. PubMed ID: 25646356, Sun D, Li X, Ma M, Liu J, Xu Y, Ye L, Hou H, Wang C, Li X, Jiang Y. Jpn J Clin Oncol. 2015 May;45(5):464-73. Doi: 10.1093/Jjco/Hyv009. Epub 2015 Feb 2. The Predictive Value And Potential Mechanisms Of Mirna-328 And Mirna-378 For Brain Metastases I...

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