

## Anti-PKC eta/PRKCH Antibody Picoband® FITC Conjugated

Catalog Number: PB9556-FITC

### About PRKCH

PRKCH is also known as PKC eta. Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. Also, PKC family members serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. It is a calcium-independent and phospholipids-dependent protein kinase. And it is predominantly expressed in epithelial tissues and has been shown to reside specifically in the cell nucleus. This protein kinase can regulate keratinocyte differentiation by activating the MAP kinase MAPK13 (p38delta)-activated protein kinase cascade that targets CCAAT/enhancer-binding protein alpha (CEBPA). It is also found to mediate the transcription activation of the transglutaminase 1 (TGM1) gene.

### Overview

|                      |                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-PKC eta/PRKCH Antibody Picoband® FITC Conjugated                                                        |
| Reactive Species     | Human                                                                                                        |
| Application          | Flow Cytometry                                                                                               |
| Clonality            | Polyclonal                                                                                                   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit                                                                                                       |
| Uniprot ID           | P24723                                                                                                       |

### Technical Details

|                  |                                                                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen        | E.coli-derived human PKC eta recombinant protein (Position: R30-D389). Human PKC eta shares 96.7% and 96.1% amino acid (aa) sequence identity with mouse and rat PKC eta, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins                                                                                                                                                 |
| Isotype          | Rabbit IgG                                                                                                                                                                              |
| Form             | Liquid                                                                                                                                                                                  |
| Concentration    | 0.5 mg/mL                                                                                                                                                                               |
| Purification     | Immunogen affinity purified.                                                                                                                                                            |
| Conjugate        | FITC<br>Excitation Wavelength: 495 nm                                                                                                                                                   |

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
|                     | Emission Wavelength: 525 nm                                          |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

## 2 Publications Citing This Product

1. PubMed ID: 10.2147/DDDT.S93570, 5-(Bis(3-(2-hydroxyethyl)-1H-indol-2-yl)methyl)-2-hydroxybenzoic acid (BHIMHA): showing a strategy of designing drug to block lung metastasis of tumors
2. PubMed ID: 26937173, 5-(Bis(3-(2-hydroxyethyl)-1H-indol-2-yl)methyl)-2-hydroxybenzoic acid (BHIMHA): showing a strategy of designing drug to block lung metastasis of tumors

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