

Phospho-PKC (Thr497) Rabbit Polyclonal Antibody

Catalog #: EAB10435

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|--------------------------|----------|-------------------|
| Rabbit IgG | Polyclonal | WB, IHC-P, IF/ICC, ELISA | 67-85 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
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| WB (Western Blotting) | 1:500-2000 |
| IHC-P (Immunohistochemistry-Paraffin) | 1:50-300 |
| IF/ICC (Immunofluorescence/Immunocytochemistry) | 1:50-300 |
| ELISA (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

Product Information

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|-----------------------|---|
| Conjugate | Unconjugate |
| Specificity | Phospho-PKC (Thr497) Rabbit Polyclonal Antibody detects endogenous levels of PKC(pan) only when phosphorylated at Thr497. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P17252 , P05771 , Q05655 , Q02156 , P05129 , P24723 , Q04759 , Q05513 |
| Entrez-Gene Id | 5578 , 5579 , 5580 , 5581 , 5582 , 5583 , 5588 , 5590 |

Product Description

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. PKC family members also 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. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.

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