

PKC $\theta$  (Phospho-Ser695) Conjugated Antibody

Catalog No: #C11173



Package Size: #C11173-AF350 100ul #C11173-AF405 100ul #C11173-AF488 100ul  
 #C11173-AF555 100ul #C11173-AF594 100ul #C11173-AF647 100ul  
 #C11173-AF680 100ul #C11173-AF750 100ul #C11173-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | PKC $\theta$ (Phospho-Ser695) Conjugated Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Species Reactivity    | Hu   |
| Specificity           | The antibody detects endogenous level of PKC $\theta$ only when phosphorylated at serine 695.  |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 695 (N-F-S(p)-F-M) derived from Human PKC $\theta$ .  |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | KPCT;PKC-theta;PKCQ;PRKCQ;PRKCT  |
| Accession No.         | Swiss-Prot#:Q04759NCBI Gene ID:5588NCBI mRNA#:NM_006257.2 NCBI Protein#:NP_006248.1  |
| Uniprot               | Q04759   |
| GeneID                | 5588;  |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 80   |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Background

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This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation, but is dispensable during TCR-dependent thymocyte development. Links the TCR signaling complex to the activation of NF-kappa-B in mature T lymphocytes. Required for interleukin-2 (IL2) production. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

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Note: This product is for in vitro research use only