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Rabbit Anti-PKC theta/Cy5 Conjugated antibody

SL4161R-Cy5

Product Name	Anti-PKC theta/Cy5
Chinese Name	Cy5 标记的蛋白激酶 C theta 抗体
Alias	PKC 0; PRKCQ; PKC0; Prkcq; PRKCT; Protein kinase C theta; Protein kinase C theta type; Protein Kinase Ctheta; KPCT_HUMAN; nPKC theta; nPKC-theta; nPKCtheta; MGC126514; MGC141919.
Research Area	Tumour immunology Signal transduction Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Dog,Cow,Horse)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	82kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PKC theta
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Function:
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Subcellular Location:
Skeletal muscle, megakaryoblastic cells and platelets.

Post-translational modifications:
Autophosphorylation at Thr-219 is required for targeting to the TCR and cellular function of PKC upon antigen receptor ligation.

Similarity:
Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily.
Contains 1 AGC-kinase C-terminal domain.
Contains 1 C2 domain.
Contains 2 phorbol-ester/DAG-type zinc fingers.
Contains 1 protein kinase domain.

Database links:

Entrez Gene: 5588 Human

Entrez Gene: 18761 Mouse

Entrez Gene: 85420 Rat

Omim: 600448 Human

SwissProt: Q04759 Human

SwissProt: Q02111 Mouse

SwissProt: Q9WTQ0 Rat

Unigene: 498570 Human

Unigene: 329993 Mouse

Unigene: 225125 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.