



Rabbit Anti-PKC theta antibody

SL4161R

Product Name:	PKC theta
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	82kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PKC theta:351-450/706
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:

Q04759

Gene ID:

5588

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.

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