

## PKCth(Ab-695) Antibody

Catalog No: #21185

Package Size: #21185-1 50ul #21185-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	PKCth(Ab-695) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PKCth protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.693~697 (N-F-S-F-M) derived from Human PKCth.
Target Name	PKCth
Other Names	KPCT; PKC-theta; PKCQ; PRKCQ; PRKCT
Accession No.	Swiss-Prot: Q04759NCBI Protein: NP_006248.1
Uniprot	Q04759
GeneID	5588;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

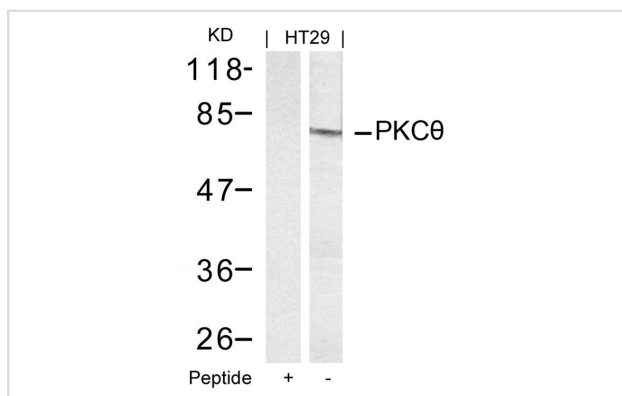
## Application Details

Predicted MW: 80kd

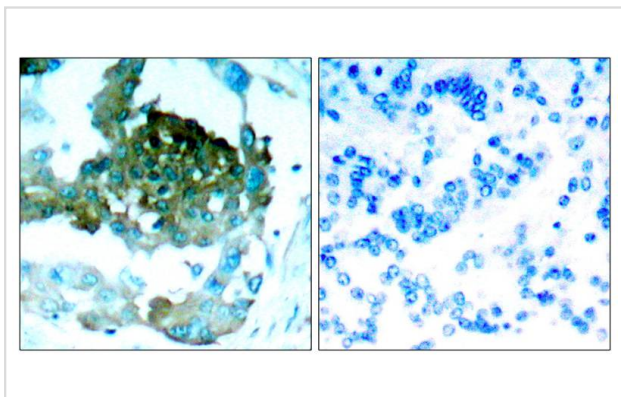
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HT29 cells using PKCth(Ab-695) Antibody #21185 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCth(Ab-695) Antibody #21185(left) or the same antibody preincubated with blocking peptide(right).

## 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.

Xu ZB, et al.(2004) J Biol Chem 279:50401-50409

Thebault S, et al. (2004) Mol Immunol 40: 931-942

Note: This product is for in vitro research use only