PKCth(Phospho-Ser695) Antibody

Catalog No: #11173

Package Size: #11173-1 50ul #11173-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PKCth(Phospho-Ser695) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of PKCth only when phosphorylated at serine 695.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 695 (N-F-S(p)-F-M) derived from Human PKCth.
Target Name	PKCth
Modification	Phospho
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 Mg2+ and Ca2+), 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.

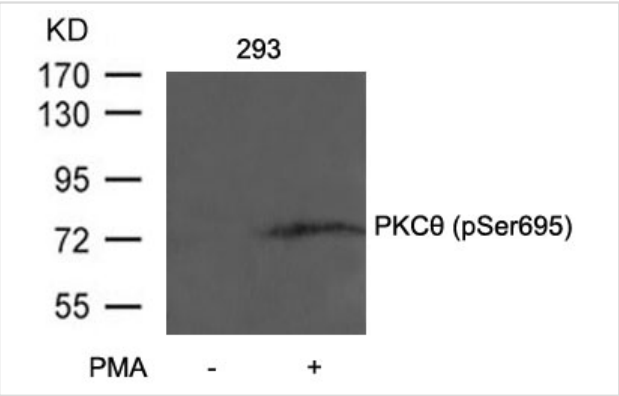
Application Details

Predicted MW: 80kd

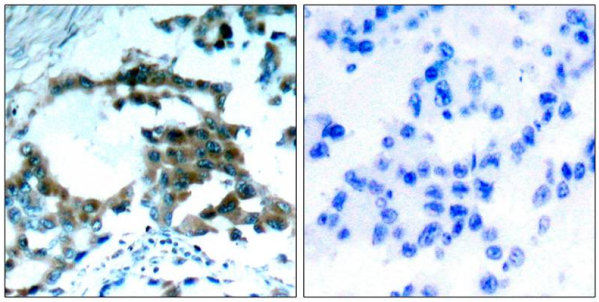
Western blotting: 1:500

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells untreated or treated with PMA using PKCth(Phospho-Ser695) Antibody #11173.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCth(Phospho-Ser695) Antibody #11173(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