

PKCth(Phospho-Ser695) Antibody

Catalog No: #11173

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

Orders: order@signalwayantibody.comSupport: 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 chromatography 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 Mg ²⁺ and Ca ²⁺), 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. |

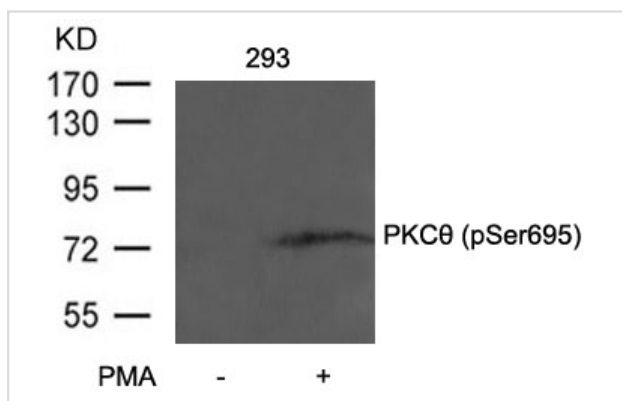
Application Details

Predicted MW: 80kd

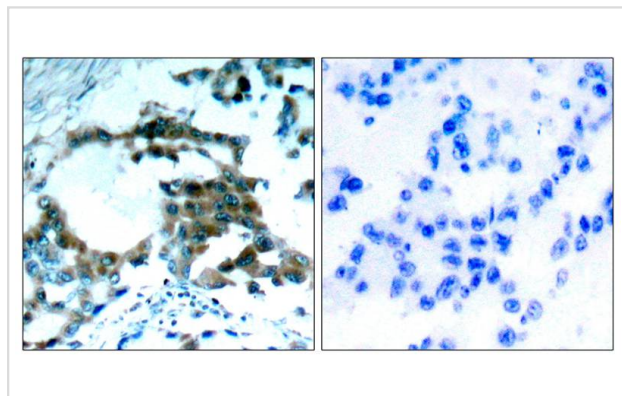
Western blotting: 1:500

Immunohistochemistry: 1:50~1:100

Images



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



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKC θ (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