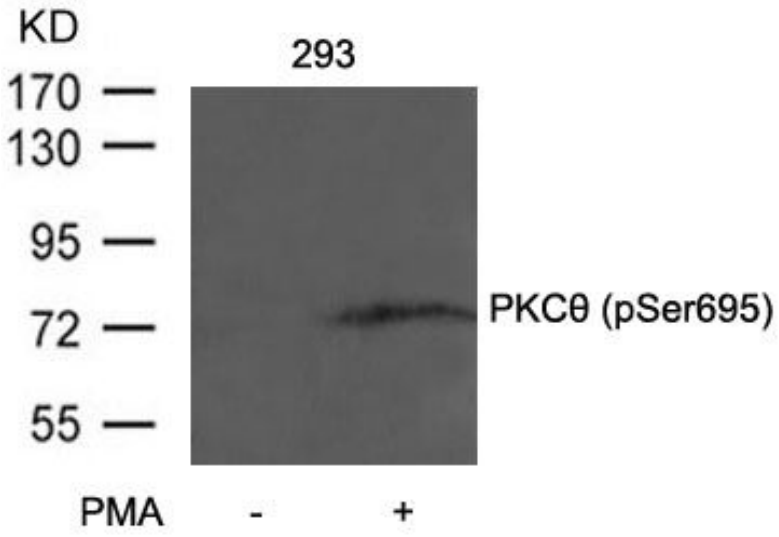
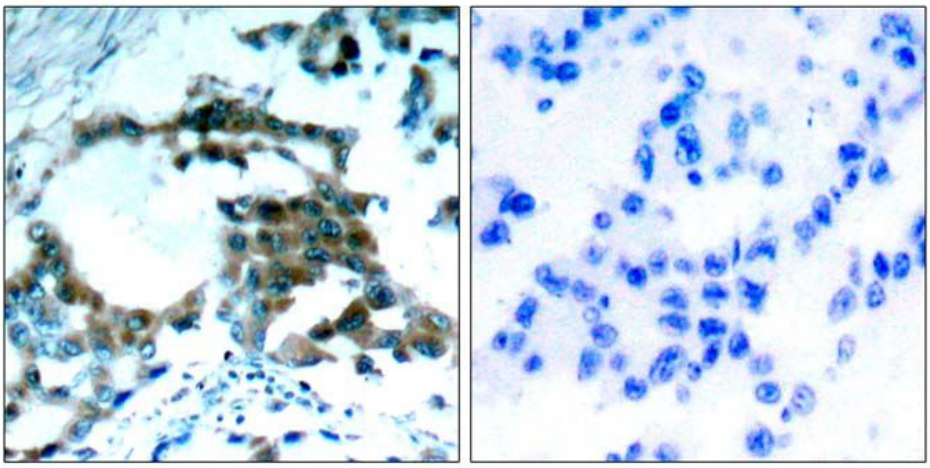
PKCθ(Phospho-Ser695) Antibody

#11173

Catalog Number: 11173-1, 11173-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :Q04759
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human PKCθ around the phosphorylation site of serine 695 (N-F-S^{P}-F-M).
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Specificity/Sensitivity:PKCθ (phospho-Ser695) antibody detects endogenous levels of PKCθ only whenphosphorylated at serine 695.
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 80 kd
WB: 1:500~1:1000 IHC 1:50~1:200



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



P-Peptide － +

Immunohistochemical analysis of paraffin-embeddedhuman lung carcinoma tissue, using PKCθ (phospho-Ser695) antibody (#11173).

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

References：

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

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