PKC δ/RKCD (phospho-S664) polyclonal antibody

Catalog: BS64162 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Protein kinase C (PKC) family members influence a variety of cellular functions, including cell growth, cell differentiation, hormone secretion and membrane function. PKC isoforms are calcium and phospholipid-dependent serine/threonine protein kinases. Diacylglycerols (DAG) and tumor promoting phorbol esters bind to and activate PKC. PKC δ phosphorylation on Thr 507 mediates inhibition of JAK2 and Stat3 function. PKC δ phosphorylates and associates with Stat3 on Ser 727 following induction by IL-6 to negatively regulate the DNA binding and transcriptional activity of Stat3. The Tyr 525, 523 and 565 residues in the catalytic domain are crucial for activation of PKC δ. The Tyr 52, 155 and 187 residues of PKC δ reside within a regulatory domain. The residue Ser 643 appears to be an autophosphorylation site.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 78 kDa

Swiss-Prot:

Q05655

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

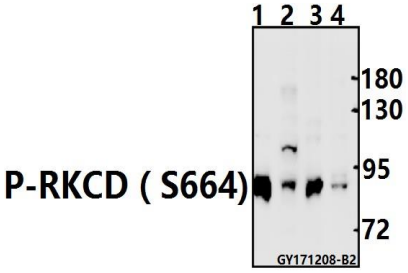
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-RKCD (S664) pAb detects endogenous levels of p-RKCD (S664) protein only when phosphorylated at Ser664.

DATA:



Western blot (WB) analysis of p-RKCD (S664) pAb at 1:500 dilution

Lane1:Hela whole cell lysate(10ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:The Uterus tissue lysate of Mouse(20ug)

Lane4:The Uterus tissue lysate of Rat(20ug)

Note:

For research use only, not for use in diagnostic procedure.

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