PKC δ (phospho-Y52) polyclonal antibody

Catalog: BS4861 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Protein Kinase C delta (PKC delta) is a 78 kDa member of the novel group (nPKCs: sensitive to diacylglycerol, phosphatidylserine, and phorbol esters) of the PKC family of serine/threonine kinases that are involved in a wide range of physiological processes including mitogenesis, cell survival and transcriptional regulation. PKC delta is an ubiquitously expressed PKC isozyme that has been implicated in the regulation of multiple cellular processes including cell cycle progression and apoptosis. Autophosphorylation of serine 664 (serine 662 in mouse and rat) contributes to PKC delta activity. Serum dependent phosphorylation of serine 664 is mediated by mTOR pathway, is protected from dephosphorylation by phosphorylated threonine 505 in the activation loop, and is implicated in prolactin signaling.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 80 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 > 97% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

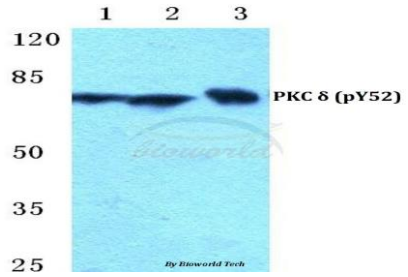
Storage&Stability:

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

Specificity:

p-PKC δ (Y52) polyclonal antibody detects endogenous levels of PKC δ protein only when phosphorylated at Tyr52.

DATA:

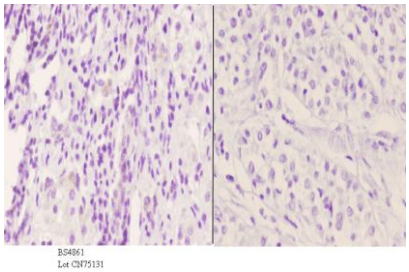


Western blot (WB) analysis of p-PKC δ (Y52) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate treated with serum starvation(24h)

Lane2:Raw264.7 cell lysate treated with serum starvation(24h)

Lane3:H9C2 cell lysate treated with serum starvation(24h)



Immunohistochemistry (IHC) analyzes of p-PKC δ (Y52) pAb in paraffin-embedded human liver carcinoma tissue at 1:50.showing cytoplasmic and nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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