

PKC-pan (αT497) polyclonal antibody

Catalog: BS4348

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions including cell growth and differentiation, gene expression, hormone secretion and membrane function. PKCs were originally identified as serine/threonine protein kinases whose activity was dependent on calcium and phospholipids. Diacylglycerols (DAG) and tumor promoting phorbol esters bind to and activate PKC. PKCs can be subdivided into at least two major classes including conventional (c) PKC isoforms (α, βI, βII and γ) and novel (n) PKC isoforms (δ, ε, ζ, η and θ). Patterns of expression for each PKC isoform differ among tissues and PKC family members exhibit clear differences in their cofactor dependencies. For instance, the kinase activities of nPKC δ and ε are independent of Ca²⁺.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~75 to 88 kDa

Swiss-Prot:

P17252/P05771/Q05655/Q02156/P05129/P24723/Q04759/Q05513

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

IHC: 1:50~1:200

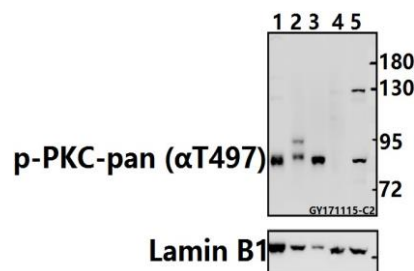
Storage&Stability:

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

Specificity:

p-PKC-pan (αT497) polyclonal antibody detects endogenous levels of PKC PKC α, β I, β II, γ, δ, ε, η, ζ and θ isoforms only when phosphorylated at a residue homologous to threonine 497 of human PKCα.

DATA:



Western blot (WB) analysis of p-PKC-pan (αT497) pAb at 1:500 dilution

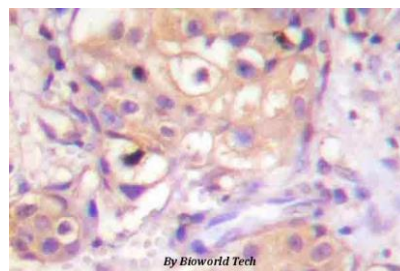
Lane1: The Spleen tissue lysate of Mouse (40ug)

Lane2: The Brain tissue lysate of Rat (40ug)

Lane3: HeLa whole cell lysate (20ug)

Lane4: HEK293T whole cell lysate (40ug)

Lane5: A549 whole cell lysate (40ug)



Immunohistochemistry (IHC) analyzes of p-PKC-pan (αT497) pAb in paraffin-embedded human breast carcinoma tissue.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151