
Anti-PKC

Cat #: HM1286
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. PKC contains an amino terminal regulatory domain and a carboxy terminal catalytic domain joined by a hinge region. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. Each member of the PKC family has a specific expression profile and is believed to play a distinct role.

SPECIFICITY

This antibody binds a highly conserved epitope within the hinge region (residues 292-317) of protein kinase C isoforms α , β , and γ of mouse, rat and human origin by Western blotting and immunoprecipitation.

Molecular Weight of PKC: 80 kDa. Western blotting positive controls: Jurkat cell lysate; NIH/3T3 cell lysate; rat brain extract.

IMMUNOGEN

Protein kinase C purified from bovine brain.

STORAGE

This antibody is stable for 12 months when stored at 2-8° C.

REFERENCES

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