

Anti-PKC Polyclonal Antibody

CATALOG NO:	3450-30T 30 µg (Trial size)
	3450-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the C-terminus of mouse PKC β1 (Internal ID# BV-957).
SPECIES REACTIVITY:	Human, Mouse, Rat, Pig, Bovine

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

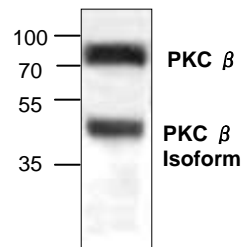
PKC (Protein kinase C) is a calcium-dependent and phospholipid-dependent enzyme that is activated *in vivo* by the lipid diacylglycerol. PKC has been shown to be involved in signal transduction and various aspects of neoplastic transformation. PKC contains an amino terminal regulatory domain and a carboxy terminal catalytic domain joined by a hinge region. Cleavage of protein kinase C *in vitro* results in the generation of two functional fragments corresponding to these two domains.

SPECIFICITY:

The antibody recognizes 60-75 kDa PKC β isoforms from samples of human, mouse, rat, pig and bovine origins. A 40 kDa band can also be detected, presumably to be a shorter form of PKC isoforms. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3450BP-50) is available separately.



Cat. #: 3450-100

Western blot analysis of PKC expression in rat kidney tissue lysate.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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Monoclonal and Polyclonal Antibodies

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