

# PKC gamma Rabbit mAb

Catalog No.: A9565 **Recombinant**

## Basic Information

**Observed MW**

78kDa

**Calculated MW**

78kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Mouse, Rat

**CloneNo number**

ARC1637

## Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play distinct roles in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase is expressed solely in the brain and spinal cord and its localization is restricted to neurons. It has been demonstrated that several neuronal functions, including long term potentiation (LTP) and long term depression (LTD), specifically require this kinase. Knockout studies in mice also suggest that this kinase may be involved in neuropathic pain development. Defects in this protein have been associated with neurodegenerative disorder spinocerebellar ataxia-14 (SCA14). Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

5582

**Swiss Prot**

P05129

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 604-697 of human PKC gamma (P05129).

**Synonyms**

PKCC; PKCG; SCA14; PKCI(3); PKCgamma; PKC-gamma; PKC gamma

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

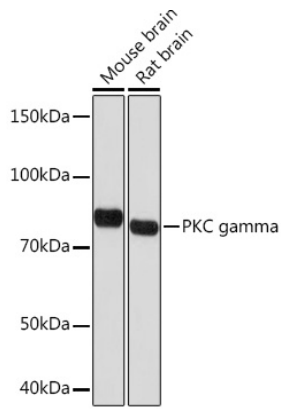
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using PKC gamma Rabbit mAb (A9565) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.