

## **Product datasheet for TA342149**

## PKC gamma (PRKCG) Rabbit Polyclonal Antibody

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-PRKCG antibody: synthetic peptide directed towards the middle

region of human PRKCG. Synthetic peptide located within the following region:

WSFGVLLYEMLAGQPPFDGEDEEELFQAIMEQTVTYPKSLSREAVAICKG

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 78 kDa

**Gene Name:** protein kinase C gamma

Database Link: NP 002730

Entrez Gene 5582 Human

P05129



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



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 ofThe PKC family has a specific expression profile and is believed to play distinct roles in cells. The protein encoded byThis gene is one ofThe PKC family members. This protein kinase is expressed solely inThe 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 requireThis 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). [provided by RefSeq, Jul 2008]

Synonyms: PKC-gamma; PKCC; PKCG; SCA14

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

**Protein Families:** Druggable Genome, Protein Kinase

Protein Pathways: Calcium signaling pathway, ErbB signaling pathway, Fc gamma R-mediated phagocytosis,

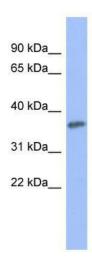
Focal adhesion, Gap junction, Glioma, Leukocyte transendothelial migration, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Natural killer

cell mediated cytotoxicity, Non-small cell lung cancer, Pathways in cancer,

Phosphatidylinositol signaling system, Tight junction, Vascular smooth muscle contraction,

VEGF signaling pathway, Vibrio cholerae infection, Wnt signaling pathway

## **Product images:**



WB Suggested Anti-PRKCG Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive

Control: 293T cell lysate