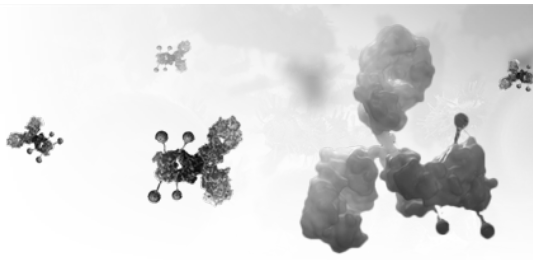

Anti-PRKCG (aa 260-351) polyclonal antibody (DPAB-DC2447)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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).
Immunogen	PRKCG (AAH47876, 260 a.a. ~ 351 a.a) partial recombinant protein with GST tag. The sequence is SFGVSELLKAPVDGWYKLLNQEEGEYYNVPVADADNCSLLQKFEACNYPLELYERVRMGP SSSPIPSPSPSPTDPKRCFFGASPGRLHISDF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PRKCG protein kinase C, gamma [Homo sapiens (human)]
Official Symbol	PRKCG
Synonyms	PRKCG; protein kinase C, gamma; PKCC; PKCG; SCA14; PKC-gamma; protein kinase C gamma type;
Entrez Gene ID	5582
Protein Refseq	NP_002730
UniProt ID	P05129
Chromosome Location	19q13.4
Pathway	African trypanosomiasis; Aldosterone-regulated sodium reabsorption; Amoebiasis; Amphetamine addiction
Function	ATP binding; calcium-dependent protein kinase C activity; protein kinase C activity; protein kinase activity

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