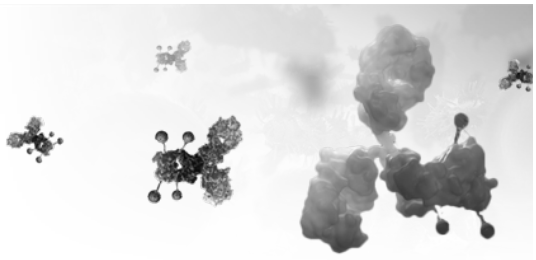

Anti-PRKCE (aa 301-400) polyclonal antibody (DPAB-DC2446)

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 the 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 family members 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 a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may also play a role in controlling anxiety-like behavior.
Immunogen	PRKCE (NP_005391, 301 a.a. ~ 400 a.a) partial recombinant protein with GST tag. The sequence is KVLADLGVTPDKITNSGQRRKKLIAGAESPQPASGSSPSEEDRSKSAPTSPCDQEIKELE NNIRKALSFDNRGEEHRAASSPDGQLMSPGENGEVRQGQA
Source/Host	Mouse
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PRKCE protein kinase C, epsilon [Homo sapiens (human)]
Official Symbol	PRKCE
Synonyms	PRKCE; protein kinase C, epsilon; PKCE; nPKC-epsilon; protein kinase C epsilon type;
Entrez Gene ID	5581
Protein Refseq	NP_005391
UniProt ID	L7RTI5
Chromosome Location	2p21
Pathway	B Cell Receptor Signaling Pathway; Calcium Regulation in the Cardiac Cell; DAP12 interactions; Disease
Function	14-3-3 protein binding; ATP binding; actin monomer binding; calcium-independent protein kinase C activity

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