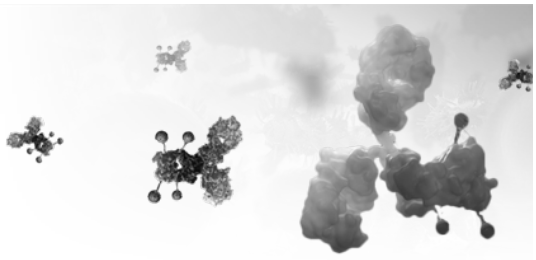

Anti-PRKCD (aa 577-676) polyclonal antibody (DPAB-DC2443)

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 distinct roles in cells. The protein encoded by this gene is one of the PKC family members. Studies both in human and mice demonstrate that this kinase is involved in B cell signaling and in the regulation of growth, apoptosis, and differentiation of a variety of cell types. Alternatively spliced transcript variants encoding the same protein have been observed.
Immunogen	PRKCD (NP_006245, 577 a.a. ~ 676 a.a) partial recombinant protein with GST tag. The sequence is DILEKLFEREPTKRLGVTGNIKIHPFFKTINWTLLEKRRLEPPFRPKVKSPRDYSNFDQE FLNEKARLSYSDKNLIDSMDQSAFAGFSFVNPKFEHLLED
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	PRKCD protein kinase C, delta [Homo sapiens (human)]
Official Symbol	PRKCD
Synonyms	PRKCD; protein kinase C, delta; MAY1; PKCD; CVID9; nPKC-delta; protein kinase C delta type; protein kinase C delta VIII; tyrosine-protein kinase PRKCD;
Entrez Gene ID	5580
Protein Refseq	NP_006245
UniProt ID	A0A024R328
Chromosome Location	3p21.31
Pathway	AGE/RAGE pathway; Alpha6-Beta4 Integrin Signaling Pathway; Apoptotic cleavage of cellular proteins; B Cell Receptor Signaling Pathway
Function	ATP binding; calcium-independent protein kinase C activity; enzyme activator activity; enzyme binding

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