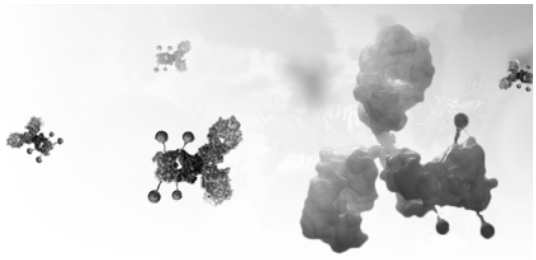

Anti-PRKCI (aa 1-100) polyclonal antibody (DPAB-DC2450)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbolesters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehyde-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis. There is a single exon pseudogene mapped on chromosome X.
Immunogen	PRKCI (AAH22016, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MSHTVAGGGSGDHSHQVRVKAYYRGDIMITHFEPSISFEGLCNEVRDMCSFDNEQLFTMK WIDEEGDPCTVSSQLELEEAFRLYELNKDSELLIHVFPCV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	PRKCI protein kinase C, iota [Homo sapiens (human)]
Official Symbol	PRKCI
Synonyms	PRKCI; protein kinase C, iota; PKCI; DXS1179E; nPKC-iota; protein kinase C iota type; PRKC-lambda/iota; aPKC-lambda/iota; atypical protein kinase C-lambda/iota;
Entrez Gene ID	5584
Protein Refseq	NP_002731
UniProt ID	P41743
Chromosome Location	3q26.3
Pathway	Cell junction organization; Cell-cell junction organization; EGFR1 Signaling Pathway; Endocytosis
Function	ATP binding; phospholipid binding; protein binding; protein domain specific binding

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