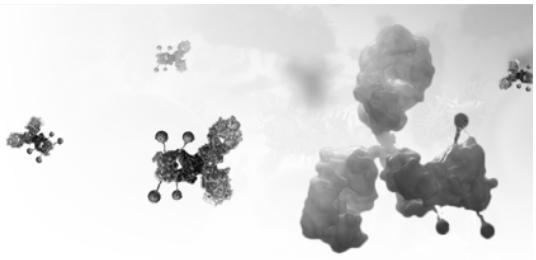

Anti-PRKCA (aa 563-672) polyclonal antibody (DPAB-DC2440)

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 reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.
Immunogen	PRKCA (NP_002728, 563 a.a. ~ 672 a.a) partial recombinant protein with GST tag. The sequence is KEAVSICKGLMTKHPAKRLGCGPEGERDVREHAFFRRIDWEKLENREIQPPFKPKVCGKG AENFDKFFTRGQPVLTPPDQLVIANIDQSDFEGFSYVNPQFVHPILQSAV
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	PRKCA protein kinase C, alpha [Homo sapiens (human)]
Official Symbol	PRKCA
Synonyms	PRKCA; protein kinase C, alpha; AAG6; PKCA; PRKACA; PKC-alpha; protein kinase C alpha type; PKC-A; aging-associated gene 6;
Entrez Gene ID	5578
Protein Refseq	NP_002728
UniProt ID	P17252
Chromosome Location	17q22-q23.2
Pathway	AGE/RAGE pathway; Acetylcholine regulates insulin secretion; Adrenergic signaling in cardiomyocytes; African trypanosomiasis
Function	ATP binding; calcium-dependent protein kinase C activity; enzyme binding; histone kinase activity (H3-T6 specific)

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