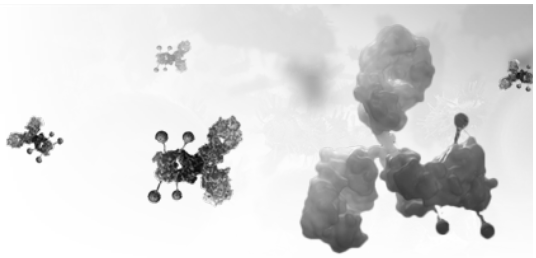

Anti-PRKD3 monoclonal antibody, clone 5H8 (CABT-21622MH)

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. The protein encoded by this gene is one of the PKC family members. This kinase can be activated rapidly by the agonists of G protein-coupled receptors. It resides in both cytoplasm and nucleus, and its nuclear accumulation is found to be dramatically enhanced in response to its activation. This kinase can also be activated after B-cell antigen receptor (BCR) engagement, which requires intact phopholipase C gamma and the involvement of other PKC family members. Mouse monoclonal antibody raised against a partial recombinant PRKD3.
Immunogen	PRKD3 (AAH30706, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5H8
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSANNSPPSAQKSVLPTAIPAVLPAASPCSSPKTGLSARLSNGSFSAPSLTNSRGSVHTV SFLLQIGLTRESVTIEAQELSLSAVKDLVCSIVYQKFPEC

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Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PRKD3 protein kinase D3 [Homo sapiens]
Official Symbol	PRKD3
Synonyms	protein kinase D3; PKC-NU; EPK2; PKD3; PRKCN; nPKC-NU; protein kinase C, nu; protein-serine/threonine kinase; Protein kinase C nu type; serine/threonine-protein kinase D3; Protein kinase EPK2; EC 2.7.11.13; EC 2.7.11; OTTHUMP00000126953
Entrez Gene ID	23683
Protein Refseq	NP_005804
UniProt ID	O94806
Chromosome Location	2p21
Pathway	G Protein Signaling Pathways, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase C activity

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