KPCD3 Polyclonal Antibody

Catalog No	BYab-06742
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PRKD3 EPK2 PRKCN
Protein Name	Serine/threonine-protein kinase D3 (EC 2.7.11.13) (Protein kinase C nu type) (Protein kinase EPK2) (nPKC-nu)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	KPCD3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	97kD
Cell Pathway	Cytoplasm . Membrane . Translocation to the cell membrane is required for kinase activation.
Tissue Specificity	Ubiquitous.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Calcium-independent, phospholipid-dependent, serine- and threonine-specific kinase. Upon diacylglycerol-activation, phosphorylates a range of cellular proteins. Also serves as the receptor for phorbol esters, a class of tumor promoters.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,tissue specificity:Ubiquitous.,
Background	This gene belongs to the multigene protein kinase D family of serine/threonine kinases, which bind diacylglycerol and phorbol esters. Members of this family are

	characterized by an N-terminal regulatory domain comprised of a tandem repeat of cysteine-rich zinc-finger motifs and a pleckstrin domain. The C-terminal region contains the catalytic domain and is distantly related to calcium-regulated kinases. Catalytic activity of this enzyme promotes its nuclear localization. This protein has been implicated in a variety of functions including negative regulation of human airway epithelial barrier formation, growth regulation of breast and prostate cancer cells, and vesicle trafficking. [provided by RefSeq, Jan 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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