

产品名称: DGK-ζ Rabbit Polyclonal Antibody
产品货号: APRab09950



产品概述 (Summary)

产品名称 (Production Name)	DGK-ζ Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DGKZ
别名 (Alternative Names)	DGKZ; DAGK6; Diacylglycerol kinase zeta; DAG kinase zeta; Diglyceride kinase zeta; DGK-zeta
基因 ID (Gene ID)	8525.0
蛋白 ID (SwissProt ID)	Q13574. The antiserum was produced against synthesized peptide derived from human DGKZ. AA range: 601-650

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

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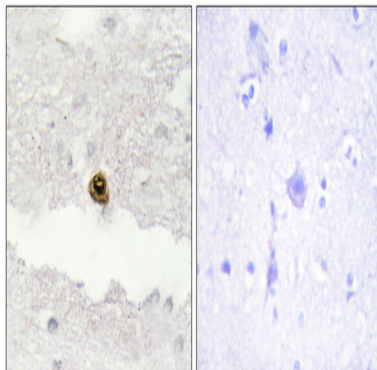
研究背景 (Background)

The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2010],catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Displays a strong preference for 1,2-diacylglycerols over 1,3-diacylglycerols, but lacks substrate specificity among molecular species of long chain diacylglycerols. Isoform 2 but not isoform 1 regulates RASGRP1 activity.,PTM:Phosphorylation of the MARCKS homology domain by PKC reduces nuclear accumulation of DGK-zeta.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 2 ANK repeats.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,subunit:Interacts with the PDZ domain of the syntrophin SNTG1 and that of SNX27. Isoform 2 forms a signaling complex with RASGRP1 and HRAS.,tissue specificity:Highest levels in brain, and substantial levels in skeletal muscle, heart, and pancreas. Isoform 1 is predominantly expressed in muscle.,

研究领域 (Research Area)

Glycerolipid metabolism;Glycerophospholipid metabolism;Phosphatidylinositol signaling system;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human brain, using DGKZ Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .