

Anti-DGK beta Antibody

Rabbit polyclonal antibody to DGK beta

Catalog # AP59534

Product Information

Application	WB
Primary Accession	Q9Y6T7
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90595

Additional Information

Gene ID	1607
Other Names	DAGK2; KIAA0718; Diacylglycerol kinase beta; DAG kinase beta; 90 kDa diacylglycerol kinase; Diglyceride kinase beta; DGK-beta
Target/Specificity	Recognizes endogenous levels of DGK beta protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	DGKB
Synonyms	DAGK2, KIAA0718
Function	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed: 11719522). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable). Has a higher activity with long-chain diacylglycerols like 1,2-di-(9Z-octadecenoyl)-sn-glycerol compared to 1,2-didecanoyl-sn-glycerol (By similarity). Specifically expressed in brain, it regulates neuron-specific morphological changes including neurite branching and neurite spine formation (By similarity).
Cellular Location	Postsynaptic cell membrane {ECO:0000250 UniProtKB:Q6NS52}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q6NS52}. Cell membrane;

Peripheral membrane protein. Cytoplasm Note=Translocation to the plasma membrane is induced by phorbol esters

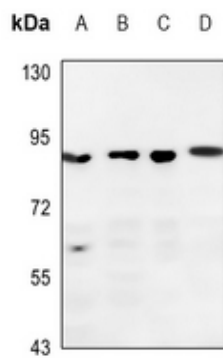
Tissue Location

[Isoform 1]: Specifically expressed in brain but also detected in uterus (PubMed:11719522). In adult brain, expressed in the amygdala, caudate nucleus, and hippocampus (PubMed:11719522)

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DGK beta. The exact sequence is proprietary.

Images



Western blot analysis of DGK beta expression in HeLa (A), DLD (B), HGC27 (C), U2OS (D) whole cell lysates.

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