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# Anti-DGK beta Antibody

Rabbit polyclonal antibody to DGK beta
Catalog # AP59534

## Product Information

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

## Additional Information

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| **Gene ID** | 1607 |
| **Other Names** | DAGK2; KIAA0718; Diacylglycerol kinase beta; DAG kinase beta; 90 kDa diacylglycerol kinase; Diglyceride kinase beta; DGK-beta |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DGK beta. The exact sequence is proprietary. |
| **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

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| **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 |

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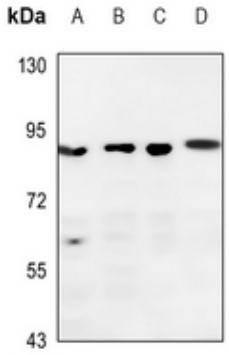
| | membrane protein {ECO:0000250\|UniProtKB:Q6NS52}. Cell membrane; Peripheral membrane protein. Cytoplasm Note=Translocation to the plasma membrane is induced by phorbol esters |
| **Tissue Location** | [Isoform 1]: Specifically expressed in brain but also detected in uterus (PubMed:11719522). In adult 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.