

AP15092PU-N**Polyclonal Antibody to DAG kinase delta (C-term) - Purified**

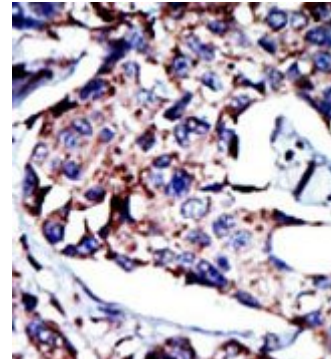
Alternate names:	DGK-delta, DGKD, Diacylglycerol kinase delta, Diglyceride kinase delta, KIAA0145
Quantity:	0.4 ml
Concentration:	lot specific
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK).
Uniprot ID:	Q16760
NCBI:	9606
GenID:	8527
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DGKD.
Format:	State: Liquid purified Ig Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to DGKD. Species: Human, Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Caution: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Sakane, F., et al., J. Biol. Chem. 271(14):8394-8401 (1996).
2. Nagase, T., et al., DNA Res. 2(4):167-174 (1995).

Pictures: Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western blot analysis of anti-anti-DGK delta Pab in Jurkat cell line lysates (35ug/lane). DGK delta (arrow) was detected using the purified Pab.

