



# DGK- $\delta$ rabbit pAb

Cat No.:ES2165

For research use only

## Overview

<b>Product Name</b>	DGK- $\delta$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human DGKD. AA range:41-90
<b>Specificity</b>	DGK- $\delta$ Polyclonal Antibody detects endogenous levels of DGK- $\delta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Diacylglycerol kinase delta
<b>Gene Name</b>	DGKD
<b>Cellular localization</b>	Membrane, clathrin-coated pit . Cytoplasm . ; [Isoform 1]: Cell membrane ; Peripheral membrane protein . Cytoplasm . Isoform 1 translocation from cytoplasm to the plasma membrane is induced by phorbol esters (PubMed:12200442). Phorbol esters induce the con
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	135kD
<b>Human Gene ID</b>	8527
<b>Human Swiss-Prot Number</b>	Q16760
<b>Alternative Names</b>	DGKD; KIAA0145; Diacylglycerol kinase delta; DAG kinase delta; 130 kDa diacylglycerol kinase;

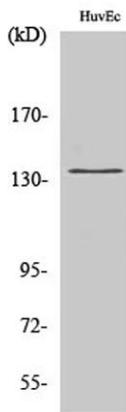




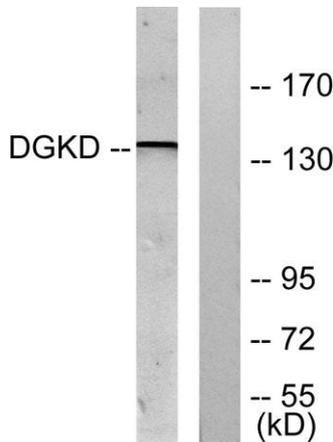
## Background

### Diglyceride kinase delta; DGK-delta

This gene encodes a cytoplasmic enzyme that phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids that act as second messengers in signaling cascades. Their cellular concentrations are regulated by the encoded protein, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using DGK- $\delta$  Polyclonal Antibody



Western blot analysis of lysates from HUVEC cells, using DGKD Antibody. The lane on the right is blocked with the synthesized peptide.

