

## DGKD Ab

Cat.#: AF0638  
Size: 100ul,200ul

Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 135kDa  
Clonality: Polyclonal

Application: WB 1:500-1:2000, IF/ICC 1:100-1:500

Reactivity: Human

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: DGKD Ab detects endogenous levels of DGKD.

Immunogen: A synthesized peptide derived from human DGKD.

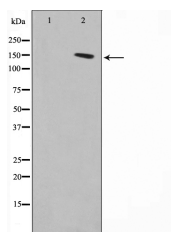
Uniprot: Q16760

Description: This gene encodes a cytoplasmic enzyme which phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids which act as second messengers in signaling cascades. Their cellular concentrations are regulated by this enzyme, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms.

Tissue Specificity: Isoform 2 is ubiquitously expressed also in tumor tissues. Isoform 1 is expressed in ovary, spleen and some tumor-derived cells.

Similarity: Belongs to the eukaryotic diacylglycerol kinase family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis on HuvEc cell lysate using DGKD Ab. The lane on the left is treated with the antigen-specific peptide.



AF0638 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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