

Datasheet for ABIN7581173  
**anti-DGKA antibody**



[Go to Product page](#)

1 Image

## Overview

Quantity:	200 µL
Target:	DGKA
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This DGKA antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Sheep polyclonal antibody against diacylglycerol kinase α (DGKα)
Immunogen:	peptide = MAKERGLISPSDFAQL
Isotype:	IgG
Specificity:	This antibody recognizes the alpha isoform of diacylglycerol kinase (DGK). DGK catalyzes a reaction terminating the protein kinase C mediated signaling by converting diacylglycerol (DAG) to phosphatidic acid (PA), a signaling lipid which is involved in DNA synthesis, phospholipid synthesis, and regulation of several enzymes.
Cross-Reactivity (Details):	Shown to recognize an 80-85kDa recombinant DGKα protein with non-specific cross activity to wild-type DGK ζ protein.
Purification:	Serum

## Target Details

Target:	DGKA
Alternative Name:	DGK Alpha ( <a href="#">DGKA Products</a> )
Background:	DGK catalyzes a reaction terminating the protein kinase C (PKC)mediated signaling by converting diacylglycerol (DAG) to phosphatidic acid (PA), a signaling lipid which is involved in DNA synthesis, phospholipid synthesis, and regulation of several enzymes. DAG is an intermediate in phospholipid synthesis which functions as an allosteric activator of PKC. The alpha isoform is a type I DGKs, and has slightly different calcium-responsiveness.

## Application Details

Application Notes:	WB – 1:1000 Other in vitro and cellular applications are possible using this antibody, but have not been verified.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	0.01% thiomersal
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4 °C for up to 30 days. Aliquot and store at -20 °C if longer storage is necessary. Antibody is stable for at least 2 years when stored at -20 °C. Avoid repeated freeze/thaw cycles.

## Images

