

## Product datasheet

# Anti-DGKA antibody ab64845

[2 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-DGKA antibody
<b>Description</b>	Rabbit polyclonal to DGKA
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, corresponding to internal sequence amino acids 331-370 of Human DGKA
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride</p>
<b>Purity</b>	Without Mg <sup>2+</sup> and Ca <sup>2+</sup>
<b>Clonality</b>	Immunogen affinity purified
<b>Isotype</b>	Polyclonal
	IgG

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab64845 in the following tested applications.

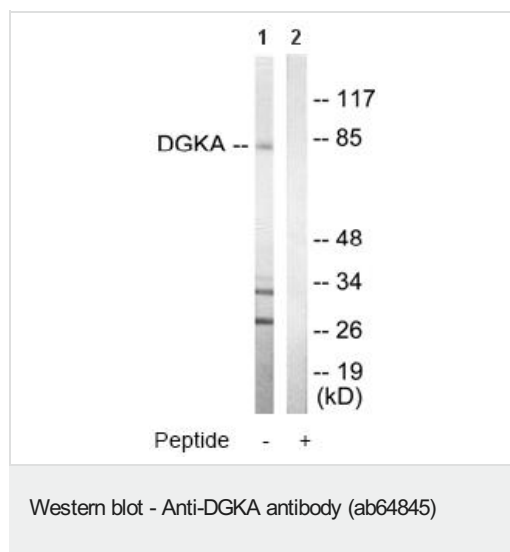
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
WB		1/500 - 1/1000. Detects a band of approximately 83 kDa (predicted molecular weight: 83 kDa).

## Target

<b>Function</b>	Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.
<b>Tissue specificity</b>	Lymphocytes and oligodendroglial cells.
<b>Sequence similarities</b>	Belongs to the eukaryotic diacylglycerol kinase family. Contains 1 DAGKc domain. Contains 2 EF-hand domains. Contains 2 phorbol-ester/DAG-type zinc fingers.

## Images



**All lanes :** Anti-DGKA antibody (ab64845) at 1/500 dilution

**Lane 1 :** Extracts from Jurkat cells

**Lane 2 :** Extracts from Jurkat cells with blocking peptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 83 kDa

**Observed band size:** 83 kDa

Immunocytochemistry/ Immunofluorescence - Anti-DGKA antibody (ab64845)
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ICC/IF image of ab64845 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab64845, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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