


# Anti-DGKZ/DGK-zeta antibody ab105195

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

## Overview

<b>Product name</b>	Anti-DGKZ/DGK-zeta antibody
<b>Description</b>	Rabbit polyclonal to DGKZ/DGK-zeta
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, Xenopus tropicalis, Medaka fish 
<b>Immunogen</b>	Synthetic peptide corresponding to Human DGKZ/DGK-zeta aa 1067-1117. Database link: <a href="#">NP_001099010.1</a>
<b>Positive control</b>	HeLa and 293T whole cell lysate
<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>	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab105195 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
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Predicted molecular weight: 124 kDa.

## Target

### Function

Displays a strong preference for 1,2-diacylglycerols over 1,3-diacylglycerols, but lacks substrate specificity among molecular species of long chain diacylglycerols. Isoform 2 but not isoform 1 regulates RASGRP1 activity.

### Tissue specificity

Highest levels in brain, and substantial levels in skeletal muscle, heart, and pancreas. Isoform 1 is predominantly expressed in muscle.

### Sequence similarities

Belongs to the eukaryotic diacylglycerol kinase family.  
Contains 2 ANK repeats.  
Contains 1 DAGKc domain.  
Contains 2 phorbol-ester/DAG-type zinc fingers.

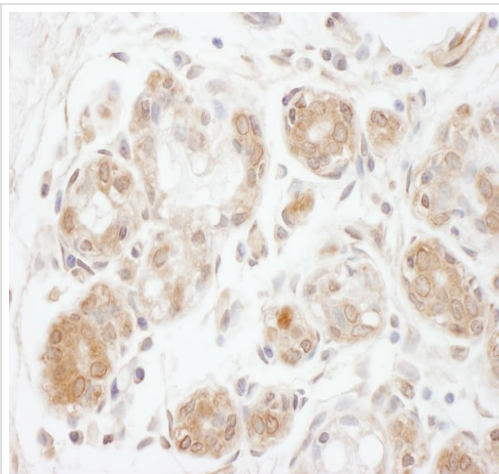
### Post-translational modifications

Phosphorylation of the MARCKS homology domain by PKC reduces nuclear accumulation of DGK-zeta.

### Cellular localization

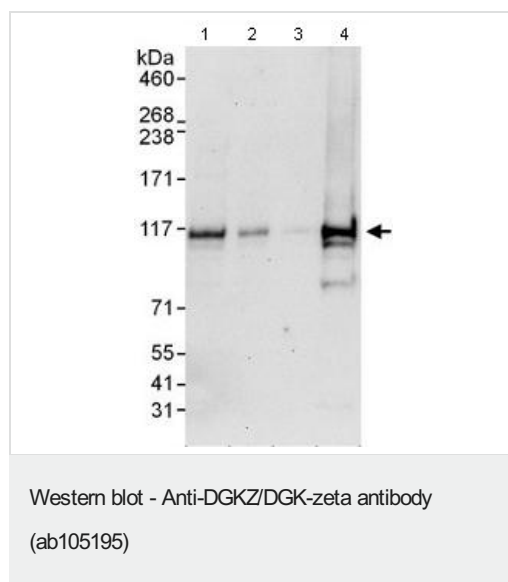
Cytoplasm. Nucleus. Cell membrane.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling DGKZ/DGK-zeta with ab105195 at 1/1000 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGKZ/DGK-zeta antibody (ab105195)



**All lanes :** Anti-DGKZ/DGK-zeta antibody (ab105195) at 0.1 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 124 kDa

**Exposure time:** 30 seconds

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

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