

Product datasheet

Anti-DGKA antibody [3G7] ab119825

3 Images

Overview

<b>Product name</b>	Anti-DGKA antibody [3G7]
<b>Description</b>	Mouse monoclonal [3G7] to DGKA
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Dog, Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human DGKA (NP_001336) produced in HEK293T cells.
<b>Positive control</b>	HEK293T cells transfected with pCMV6-ENTRY DGKA. MDCK cell extract. PC12 cell extract. Jurkat cells.
<b>General notes</b>	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from mouse ascites fluids by affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3G7
<b>Isotype</b>	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab119825** in the following tested applications.

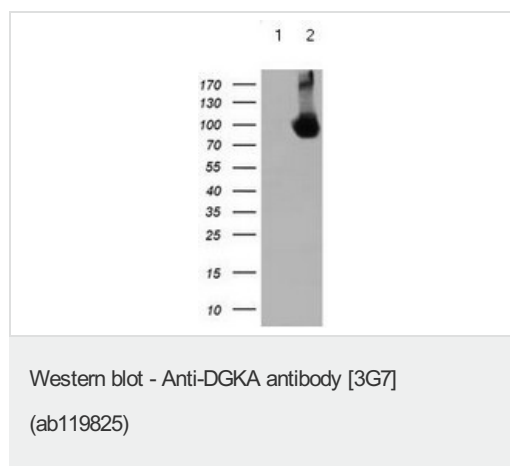
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 83 kDa.
Flow Cyt		1/100. <a href="#">ab170191</a> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## 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 [3G7] (ab119825) at 1/500 dilution

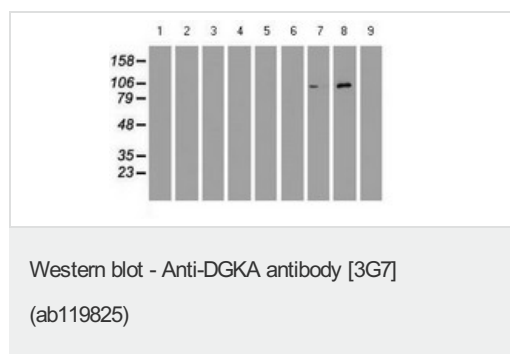
**Lane 1 :** HEK293T cells transfected with pCMV6-ENTRY control

**Lane 2 :** HEK293T cells transfected with pCMV6-ENTRY DGKA

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 83 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC222395)



**All lanes :** Anti-DGKA antibody [3G7] (ab119825) at 1/500 dilution

**Lane 1 :** HepG2 cell extract

**Lane 2 :** HeLa cell extract

**Lane 3 :** SVT2 cell extract

**Lane 4 :** A549 cell extract

**Lane 5 :** COS7 cell extract

**Lane 6 :** Jurkat cell extract

**Lane 7 :** MDCK cell extract

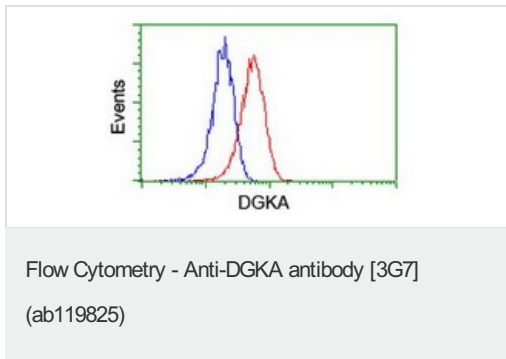
**Lane 8** : PC12 cell extract

**Lane 9** : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 83 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC222395)



Flow cytometric analysis of Jurkat cells, using ab119825, at 1/100 (Red) compared to a nonspecific negative control antibody (Blue).

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