

For Research Use Only

# DGKB Polyclonal antibody

Catalog Number: 24320-1-AP



## Basic Information

<b>Catalog Number:</b> 24320-1-AP	<b>GenBank Accession Number:</b> BC105005	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1607	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> diacylglycerol kinase, beta 90kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 804 aa, 91 kDa	
<b>Immunogen Catalog Number:</b> AG19809	<b>Observed MW:</b> 91 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, <b>IHC :</b> human breast cancer tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DGKB(Diacylglycerol kinase beta) is also named as DAGK2, KIAA0718, 90 kDa diacylglycerol kinase and belongs to the eukaryotic diacylglycerol kinase family. It is a key enzyme in lipid metabolism that functions to reintroduce diacylglycerol formed from the hydrolysis of phospholipids into the biosynthetic pathway. This protein has 2 isoforms produced by alternative splicing with the molecular weight of 87 kDa and 91 kDa.

## Storage

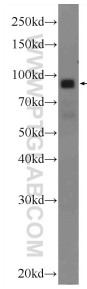
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

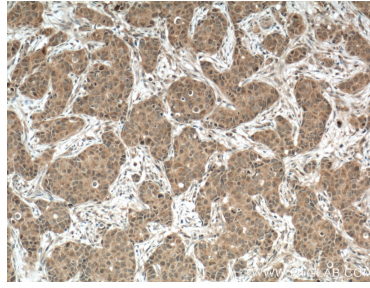
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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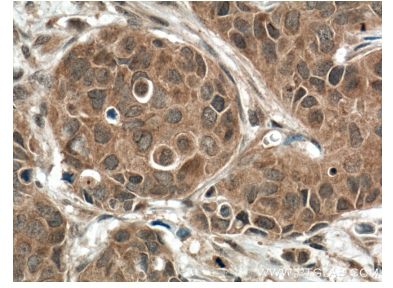
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 24320-1-AP (DGKB Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24320-1-AP (DGKB Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24320-1-AP (DGKB Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).