

For Research Use Only

# DAPK3 Polyclonal antibody

Catalog Number: 30656-1-AP



## Basic Information

<b>Catalog Number:</b> 30656-1-AP	<b>GenBank Accession Number:</b> NM_001348	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1613	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>Full Name:</b> death-associated protein kinase 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 53 kDa	
<b>Immunogen Catalog Number:</b> AG33051	<b>Observed MW:</b> 37, 52 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HEK-293 cells, HeLa cells, HepG2 cells
<b>Species Specificity:</b> Human	

## Background Information

DAPK3, also named as ZIPK and Dlk, belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and DAP kinase subfamily. The calculated molecular weight of DAPK3 is 52 kDa. This antibody can recognize the 37 kDa isoform of target. ZIP kinase is a Serine/threonine kinase which acts as a positive regulator of apoptosis. ZIP kinase phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis. ZIP kinase regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. It catalyzes the reaction: ATP + a protein = ADP + a phosphoprotein.

## 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

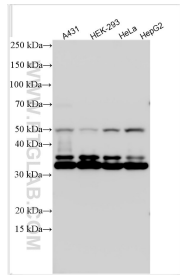
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30656-1-AP (DAPK3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.