

For Research Use Only

# DAPK3 Polyclonal antibody

Catalog Number: 30656-1-AP



## Basic Information

Catalog Number:

30656-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33051

GenBank Accession Number:

NM\_001348

GeneID (NCBI):

1613

UNIPROT ID:

O43293

Full Name:

death-associated protein kinase 3

Calculated MW:

53 kDa

Observed MW:

37, 52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : A431 cells, HEK-293 cells, HeLa cells, HepG2 cells

## 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

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

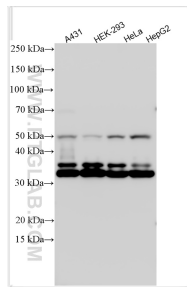
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## Selected Validation Data



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.