

For Research Use Only

DAPK3 Polyclonal antibody

Catalog Number: 30656-1-AP

2 Publications



Basic Information

Catalog Number: 30656-1-AP	GenBank Accession Number: NM_001348	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 1613	Recommended Dilutions: WB: 1:2000-1:12000 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: O43293	
Isotype: IgG	Full Name: death-associated protein kinase 3	
Immunogen Catalog Number: AG33051	Calculated MW: 53 kDa	
	Observed MW: 37, 52 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : A431 cells, HEK-293 cells, Hela cells, HepG2 cells IF/ICC : A431 cells,
Cited Applications: WB, IHC, IF, ColP	
Species Specificity: human	
Cited Species: human, mouse, rat	

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 catalyze the reaction: ATP + a protein = ADP + a phosphoprotein.

Notable Publications

Author	Pubmed ID	Journal	Application
Qichao Wu	39030705	Acta Biochim Biophys Sin (Shanghai)	WB,IHC,IF,ColP
Zhijiang Gu	38851140	Biochem Biophys Res Commun	WB,ColP

Storage

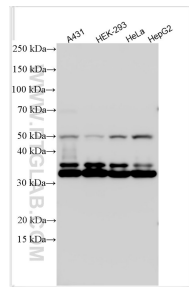
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

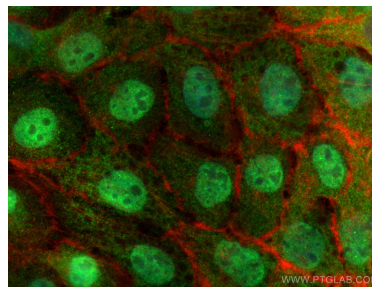
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using DAPK3 antibody (30656-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).