

Product Name: DAPK3 (phospho Thr265) Rabbit Polyclonal Antibody
Catalog #: APRab04537

Summary

Production Name	DAPK3 (phospho Thr265) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ELISA,IF,WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DAPK3
Alternative Names	DAPK3; ZIPK; Death-associated protein kinase 3; DAP kinase 3; DAP-like kinase; Dlk; MYPT1 kinase; Zipper-interacting protein kinase; ZIP-kinase
Gene ID	1613.0
SwissProt ID	O43293.The antiserum was produced against synthesized peptide derived from human DAPK3 around the phosphorylation site of Thr265. AA range:241-290

Application

Dilution Ratio	WB 1:500 - 1:2000 IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
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Molecular Weight 52kD

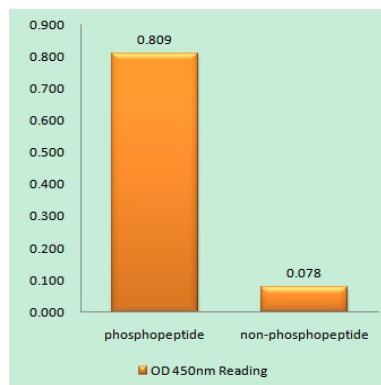
Background

Death-associated protein kinase 3 (DAPK3) induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Serine/threonine kinase which acts as a positive regulator of apoptosis. Phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Relocates to the cytoplasm on binding PAWR where the complex appears to interact with actin filaments (By similarity). Associates to centromeres from prophase to anaphase.,subunit:Homodimer or forms heterodimers with ATF4. Both interactions require an intact leucine zipper domain and oligomerization is required for full enzymatic activity. Also binds to DAXX and PAWR, possibly in a ternary complex which plays a role in caspase activation. Interacts with AATF and CDC5L.,

Research Area

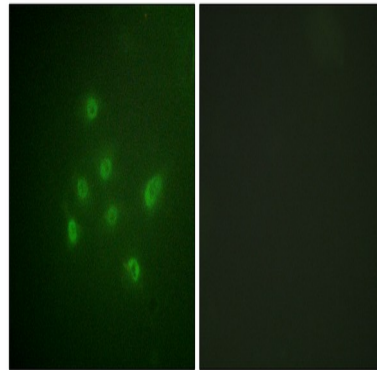
Pathways in cancer;Bladder cancer;

Image Data

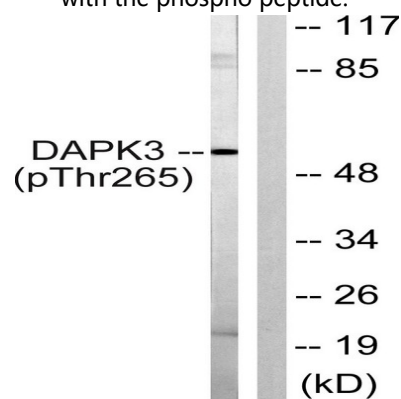


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using DAPK3 (Phospho-Thr265) Antibody

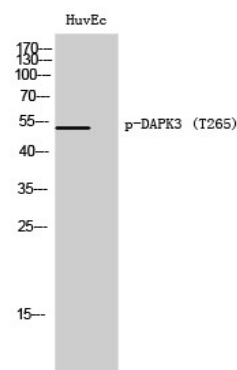
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Immunofluorescence analysis of A549 cells, using DAPK3 (Phospho-Thr265) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells, using DAPK3 (Phospho-Thr265) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of HuvEc cells using Phospho-DAPK3 (T265) Polyclonal Antibody

Note

For research use only.