

Product Name: DAPK2 (phospho Ser318) Rabbit Polyclonal Antibody
Catalog #: APRab04536

Summary

Production Name	DAPK2 (phospho Ser318) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ELISA,IF,IHC
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	DAPK2
Alternative Names	DAPK2; Death-associated protein kinase 2; DAP kinase 2; DAP-kinase-related protein 1; DRP-1
Gene ID	23604.0
SwissProt ID	Q9UIK4.The antiserum was produced against synthesized peptide derived from human DAPK2 around the phosphorylation site of Ser318. AA range:284-333

Application

Dilution Ratio	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
Molecular Weight	

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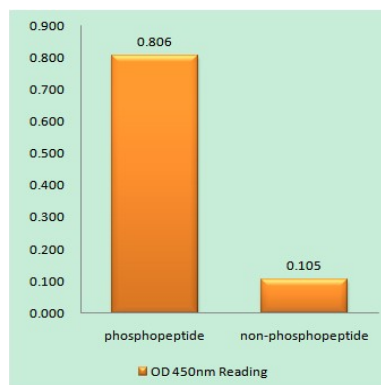
Background

This gene encodes a protein that belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites. [provided by RefSeq, Jul 2008], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Negatively regulated by autophosphorylation on Ser-318., function: Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis., similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily., similarity: Contains 1 protein kinase domain., subunit: Homodimer. Homodimerization is required for apoptotic function and is inhibited by autophosphorylation at Ser-318., tissue specificity: Ubiquitously expressed in all tissue types examined. High levels in heart, lung and skeletal muscle.,

Research Area

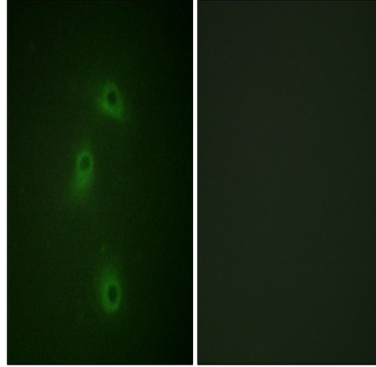
Pathways in cancer; Bladder cancer;

Image Data

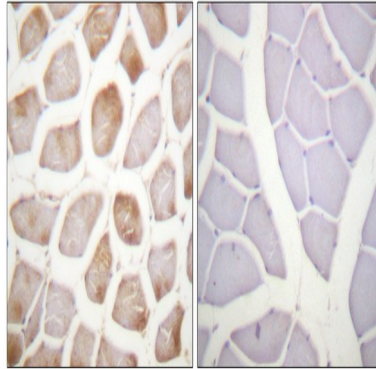


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using DAPK2 (Phospho-Ser318) Antibody

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Immunofluorescence analysis of COS7 cells, using DAPK2 (Phospho-Ser318) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using DAPK2 (Phospho-Ser318) Antibody.
The picture on the right is blocked with the phospho peptide.

Note

For research use only.