Product Name: DAPK2 (phospho Ser318) Rabbit Polyclonal Antibody
Catalog #: APRab04536
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	

Antigen Information

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
Immunogen	The antiserum was produced against synthesized peptide derived from human DAPK2 around the phosphorylation site of Ser318. AA range:284-333

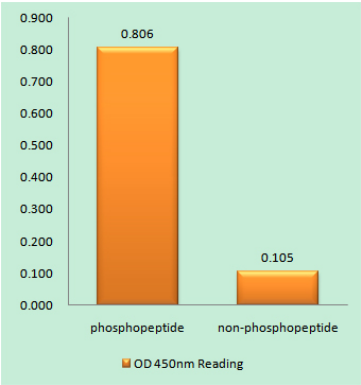
Background

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.,

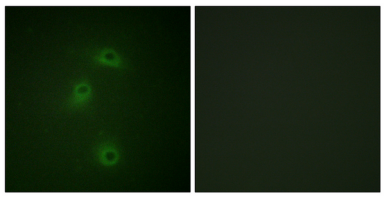
Research Area

Pathways in cancer;Bladder cancer;

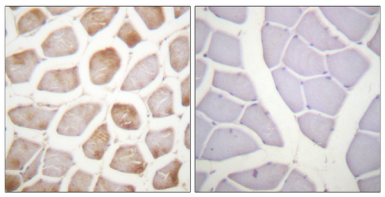
Image Data



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



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.