

## Summary

|                        |                                  |
|------------------------|----------------------------------|
| <b>Production Name</b> | DAPK1 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody       |
| <b>Host</b>            | Rabbit                           |
| <b>Application</b>     | IF,IHC,WB,ELISA                  |
| <b>Reactivity</b>      | Human,Mouse                      |

## Performance

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

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | DAPK1  |
| <b>Alternative Names</b> | DAPK1; DAPK; Death-associated protein kinase 1; DAP kinase 1   |
| <b>Gene ID</b>           | 1612.0   |
| <b>SwissProt ID</b>      | P53355.The antiserum was produced against synthesized peptide derived from human DAPK1. AA range:274-323 |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications. |
| <b>Molecular Weight</b> | 160kD  |

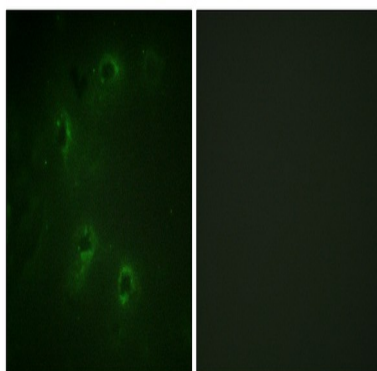
## Background

Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Negatively regulated by autophosphorylation on Ser-308., function: Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis., induction: Up-regulated following treatment with interferon-gamma., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily., similarity: Contains 1 death domain., similarity: Contains 1 protein kinase domain., similarity: Contains 10 ANK repeats., subcellular location: Colocalizes with the actin filament system.,

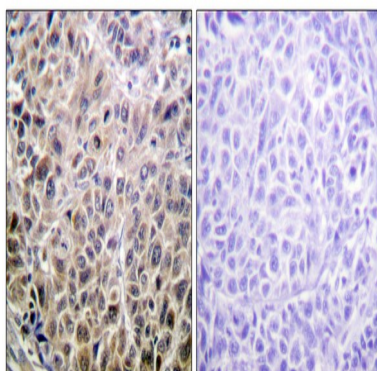
## Research Area

Pathways in cancer; Bladder cancer;

## Image Data



Immunofluorescence analysis of COS7 cells, using DAPK1 Antibody. The picture on the right is blocked with the synthesized peptide.

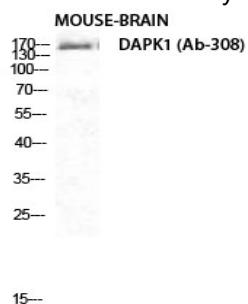


Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using DAPK1 Antibody. The picture on

**Product Name: DAPK1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09786**



the right is blocked with the synthesized peptide.



Western Blot analysis of MOUSE-BRAIN cells using DAPK1 Polyclonal Antibody diluted at 1 : 1000

## Note

For research use only.