



DAPK1 Polyclonal Antibody

Catalog No	YP-Ab-14718
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	DAPK1
Protein Name	Death-associated protein kinase 1
Immunogen	The antiserum was produced against synthesized peptide derived from human DAPK1. AA range:274-323
Specificity	DAPK1 Polyclonal Antibody detects endogenous levels of DAPK1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DAPK1; DAPK; Death-associated protein kinase 1; DAP kinase 1
Observed Band	160kD
Cell Pathway	[Isoform 1]: Cytoplasm. Cytoplasm, cytoskeleton. Colocalizes with MAP1B in the microtubules and cortical actin fibers.; [Isoform 2]: Cytoplasm. Cytoplasm, cytoskeleton.
Tissue Specificity	Isoform 2 is expressed in normal intestinal tissue as well as in colorectal carcinomas.
Function	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.,
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],

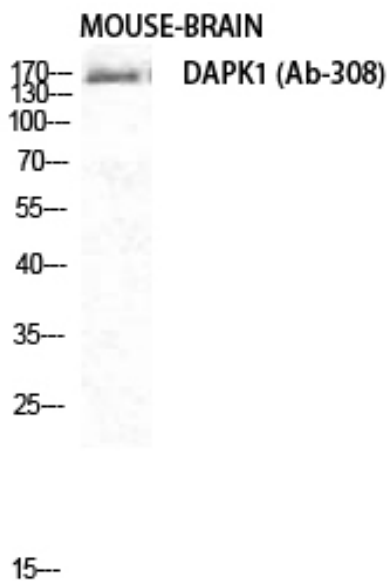
matters needing attention

Avoid repeated freezing and thawing!

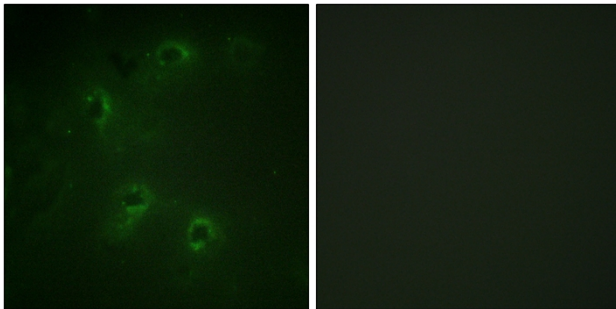
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

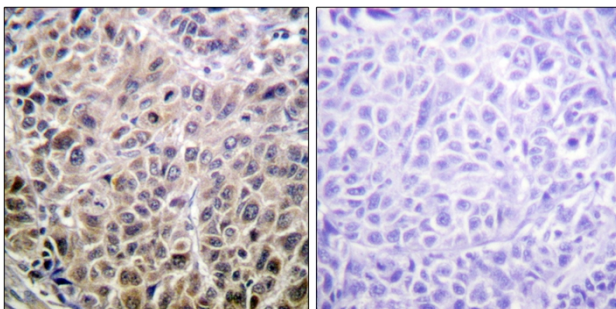
Products Images



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



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 the right is blocked with the synthesized peptide.