



DAPK1 Polyclonal Antibody

Catalog No	BYab-30740
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

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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.

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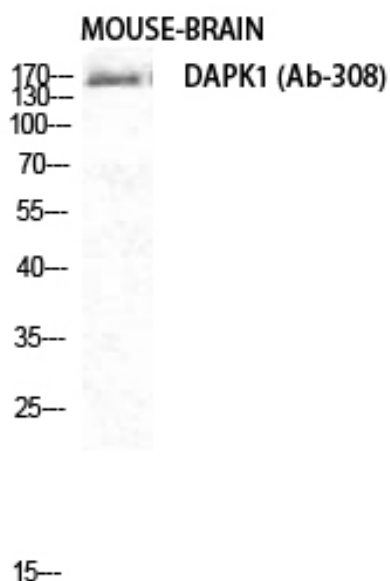
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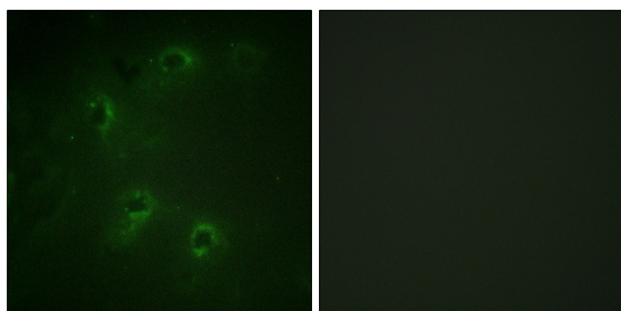
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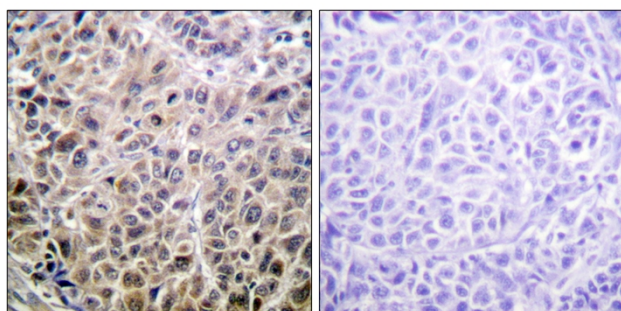
Products Images



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.

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