



DAPK1 (phospho Ser308) Polyclonal Antibody

Catalog No	BYab-14570
Isotype	IgG
Reactivity	Human;Mouse
Applications	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 around the phosphorylation site of Ser308. AA range:274-323
Specificity	Phospho-DAPK1 (S308) Polyclonal Antibody detects endogenous levels of DAPK1 protein only when phosphorylated at S308.
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: 1/10000. 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	
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],

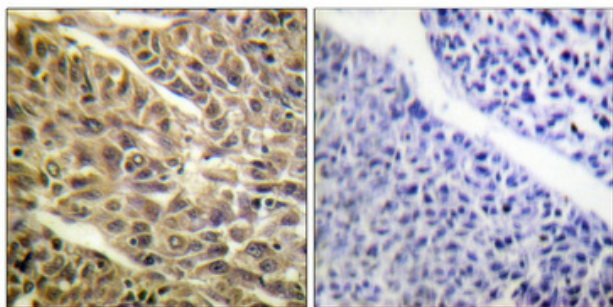
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

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