



DAPK1 (phospho Ser308) Polyclonal Antibody

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|---------------------------|---|
| 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],

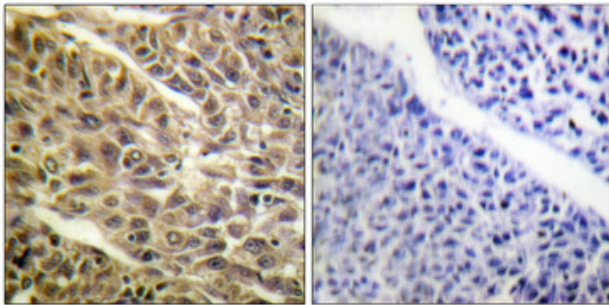
matters needing attention

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) obtaned from antibody was pre-absorbed by immunogen peptide.