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DAPK2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5377

Specification

DAPK2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UIK4
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=43,56;M=43,56 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

DAPK2 Antibody (N-term) - Additional Information

Gene ID 23604

Antigen Region
1-30

Other Names
Death-associated protein kinase 2, DAP kinase 2, DAP-kinase-related protein 1, DRP-1, DAPK2

Dilution
WB~~1:1000

Target/Specificity
This DAPK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DAPK2.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DAPK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DAPK2 Antibody (N-term) - Protein Information

Name DAPK2

Function
Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Regulates both type I apoptotic and type II autophagic cell death signals, depending on the cellular setting. The former is caspase-dependent, while the latter is caspase-independent and is characterized by the accumulation of autophagic vesicles. Acts as a mediator of anoikis and a suppressor of beta-catenin-dependent anchorage-independent growth of malignant epithelial cells. May play a role in granulocytic maturation (PubMed:17347302). Regulates granulocytic motility by controlling cell spreading and polarization (PubMed:24163421).

Cellular Location
Cytoplasm. Cytoplasmic vesicle, autophagosome lumen

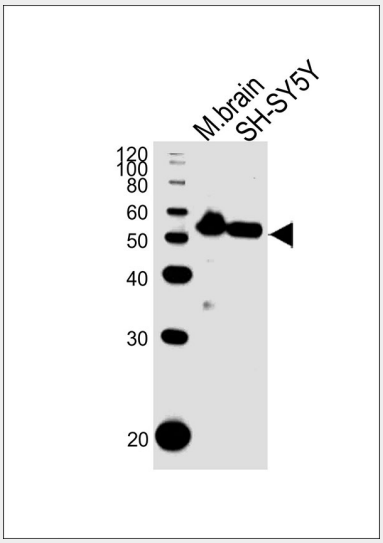
Tissue Location
Expressed in neutrophils and eosinophils (PubMed:24163421). Isoform 2 is expressed in embryonic stem cells (at protein level). Isoform 1 is ubiquitously expressed in all tissue types examined with high levels in heart, lung and skeletal muscle

DAPK2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DAPK2 Antibody (N-term) - Images



All lanes : Anti-DAPK2 Antibody M1 at 1:1000 dilution Lane 1: mouse brain lysates Lane 2: SH-SY5Y whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG,

(H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DAPK2 Antibody (N-term) - Background

DAPK2 belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites.

DAPK2 Antibody (N-term) - References

Satoh, A., et al., Br. J. Cancer 86(11):1817-1823 (2002).
Chan, M.W., et al., Clin. Cancer Res. 8(2):464-470 (2002).
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