

Mouse Dapk2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14710a

Specification

Mouse Dapk2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8VDF3
Other Accession	Q9UIK4 , NP_034149.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42778
Antigen Region	38-65

Mouse Dapk2 Antibody (N-term) - Additional Information

Gene ID 13143

Other Names

Death-associated protein kinase 2, DAP kinase 2, DAP-kinase-related protein 1, DRP-1, Dapk2

Target/Specificity

This Mouse Dapk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-65 amino acids from the N-terminal region of mouse Dapk2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Mouse Dapk2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse 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. Capable of regulating both type I apoptotic and type II autophagic cell death signals. The former involves caspase activation, chromatin and mitochondrial condensation while the latter involves caspase-independent cell death in conjunction with accumulation of mature autophagic vesicles, plasma membrane blebs, and nuclear condensation without DNA degradation. Mediator of anoikis and a suppressor of beta-catenin-dependent anchorage-independent growth of malignant epithelial cells. May play a role in granulocytic maturation (By similarity). Regulates granulocytes motility by controlling cell spreading and polarization (PubMed:[24163421](#)).

Cellular Location

Cytoplasm. Cytoplasmic vesicle, autophagosome lumen

Tissue Location

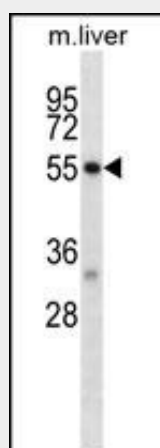
Expressed in peritubular interstitial cells of the renal cortex (PubMed:24906443). Isoform 1 is found in the adult brain while isoform 2 is expressed in brains of embryos and young mice (at protein level) (PubMed:21408167).

Mouse Dapk2 Antibody (N-term) - Protocols

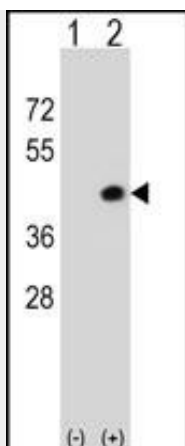
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mouse Dapk2 Antibody (N-term) - Images



Mouse Dapk2 Antibody (N-term) (Cat. #AP14710a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the Dapk2 antibody detected the Dapk2 protein (arrow).



Western blot analysis of Dapk2 (arrow) using rabbit polyclonal Mouse Dapk2 Antibody (N-term) (Cat. #AP14710a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Dapk2 gene.

Mouse Dapk2 Antibody (N-term) - Background

Calcium/calmodulin-dependent serine/threonine kinase which acts as a positive regulator of apoptosis (By similarity).

Mouse Dapk2 Antibody (N-term) - References

- Liljander, M., et al. Genet. Res. 91(4):259-265(2009)
- Fang, J., et al. Blood 112(3):886-890(2008)
- Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)
- Shimoda, M., et al. J. Exp. Med. 194(11):1597-1607(2001)
- Inbal, B., et al. Mol. Cell. Biol. 20(3):1044-1054(2000)