

Mouse Dapk2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14710a**Specification**

Mouse Dapk2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8VDF3](#)**Mouse Dapk2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 13143**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Dapk2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Dapk2 Antibody (N-term) Blocking Peptide - Images

Mouse Dapk2 Antibody (N-term) Blocking Peptide - Background

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

Mouse Dapk2 Antibody (N-term) Blocking Peptide - 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)