

DAPK2 / DAP Kinase 2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11447**Specification**

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	O9UIK4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - Additional Information**Gene ID** 23604**Other Names**

Death-associated protein kinase 2, DAP kinase 2, 2.7.11.1, DAP-kinase-related protein 1, DRP-1, DAPK2

Target/Specificity

peptide corresponding to amino acids near the carboxy terminus of human DAPK2 The sequence of this antigenic peptide is identical to the corresponding amino acids of mouse origin (1,2)

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - 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

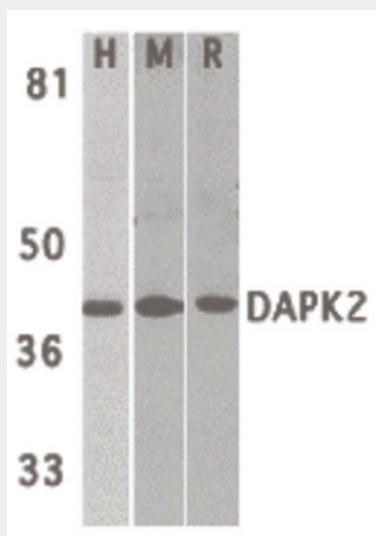
Tissue Location

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

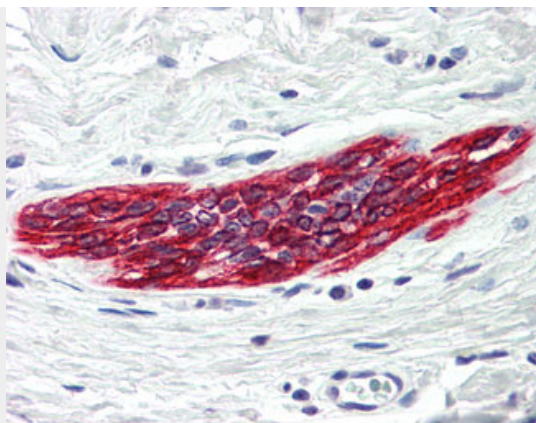
DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - Protocols

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

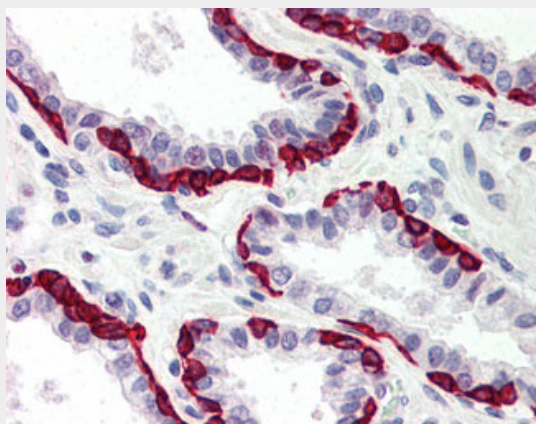
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - Images

Western blot of DAPK2 in A431 (H), mouse spleen (M), and rat kidney (R) lysates with DAPK2...



Anti-DAPK2 antibody IHC of human breast.



Anti-DAPK2 antibody IHC of human prostate.

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - Background

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 deaths signal, 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.

DAPK2 / DAP Kinase 2 Antibody (C-Terminus) - References

Kawai T.,et al.Oncogene 18:3471-3480(1999).
Inbal B.,et al.Mol. Cell. Biol. 20:1044-1054(2000).
Shoval Y.,et al.PLoS ONE 6:E17344-E17344(2011).
Zody M.C.,et al.Nature 440:671-675(2006).
Shani G.,et al.EMBO J. 20:1099-1113(2001).