

DAPK2 Polyclonal Antibody
Catalog # AP69471**Specification**

DAPK2 Polyclonal Antibody - Product Information

Application	IHC
Primary Accession	Q9UIK4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

DAPK2 Polyclonal Antibody - Additional Information**Gene ID** 23604**Other Names**

DAPK2; Death-associated protein kinase 2; DAP kinase 2; DAP-kinase-related protein 1; DRP-1

Dilution

IHC~~Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

DAPK2 Polyclonal Antibody - 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

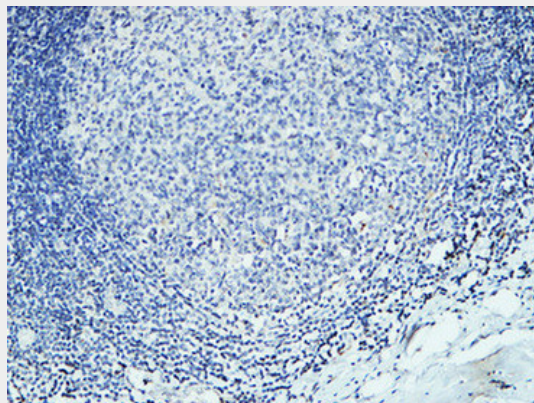
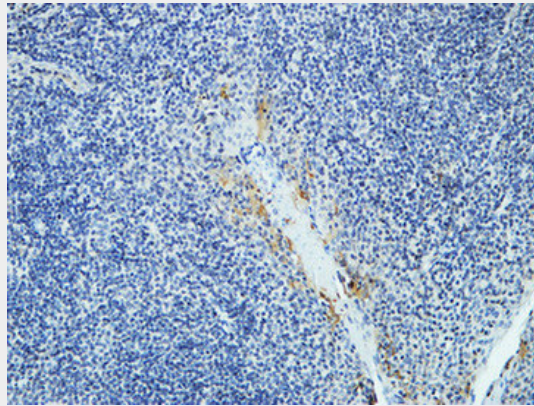
stem cells (at protein level). Isoform 1 is ubiquitously expressed in all tissue types examined with high levels in heart, lung and skeletal muscle

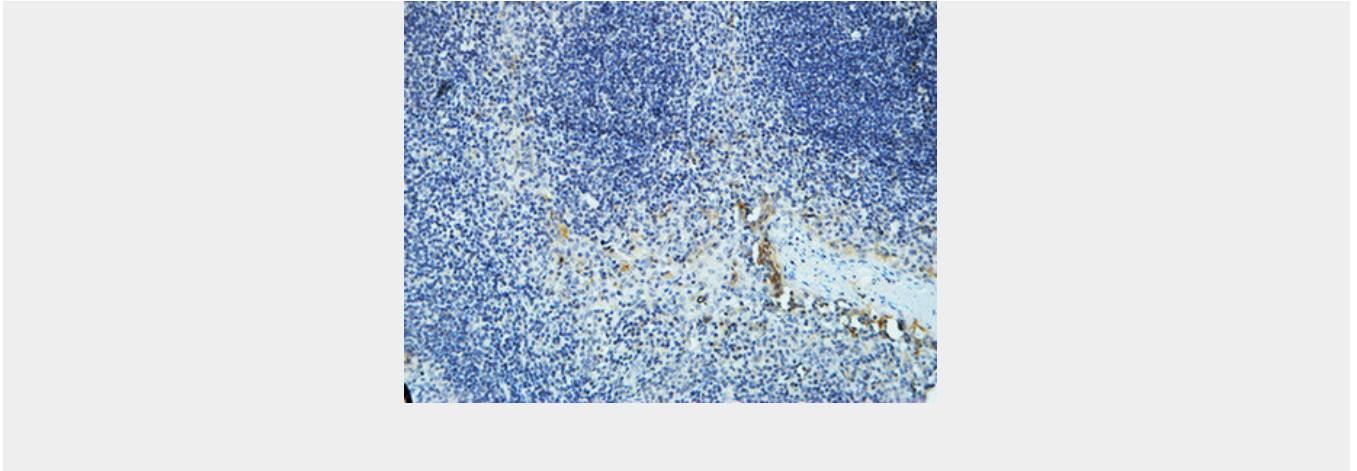
DAPK2 Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





DAPK2 Polyclonal Antibody - 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 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).