

**DAPK2 Polyclonal Antibody**  
Catalog # AP69471**Specification****DAPK2 Polyclonal Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">Q9UIK4</a>
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:<a href="http://www.uniprot.org/citations/17347302" target="\_blank">17347302</a>). Regulates granulocytic motility by controlling cell spreading and polarization (PubMed:<a href="http://www.uniprot.org/citations/24163421" target="\_blank">24163421</a>).

**Cellular Location**

Cytoplasm. Cytoplasmic vesicle, autophagosome lumen

**Tissue Location**

Expressed in neutrophils and eosinophils (PubMed:24163421). Isoform 2 is expressed in embryonic

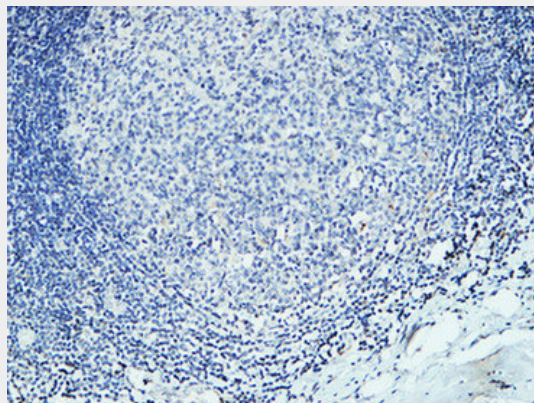
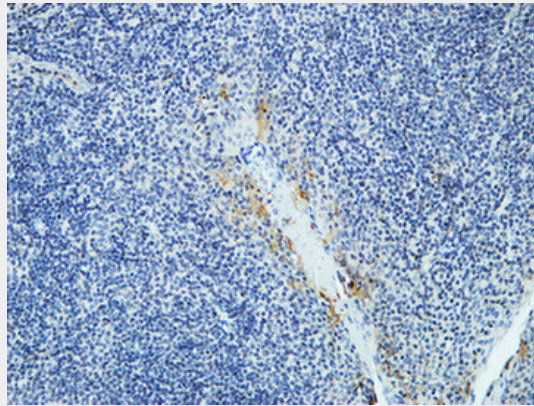
stem cells (at protein level). Isoform 1 is ubiquitously expressed in all tissue types examined with high levels in heart, lung and skeletal muscle

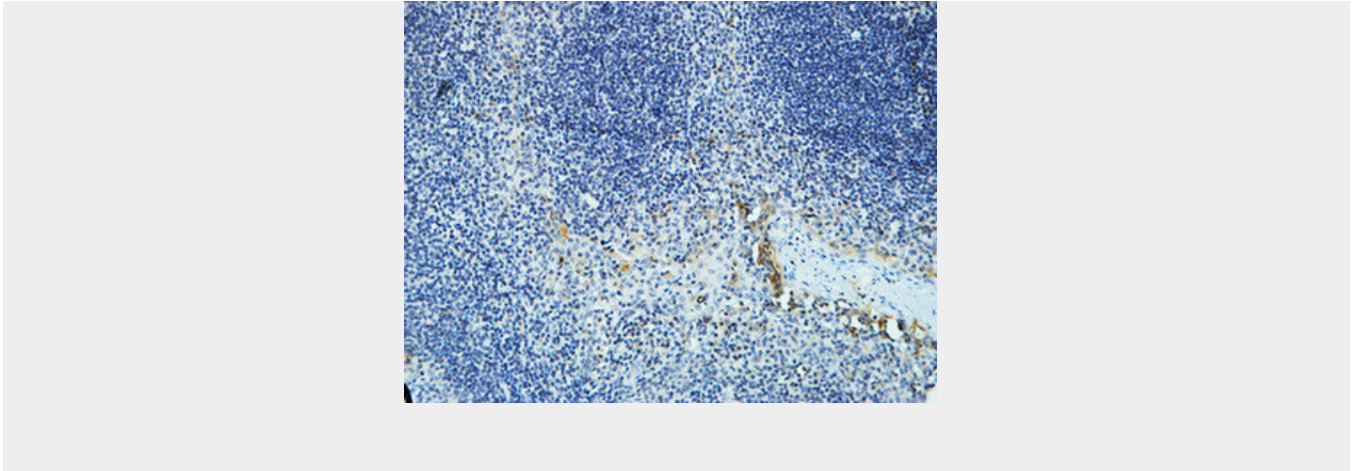
### **DAPK2 Polyclonal Antibody - Protocols**

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).