

# Anti-DAP Kinase 2 Antibody

Rabbit polyclonal antibody to DAP Kinase 2  
Catalog # AP61114

## Product Information

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Application	WB, IHC
Primary Accession	<a href="#">Q9UIK4</a>
Other Accession	<a href="#">Q8VDF3</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42898

## Additional Information

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Gene ID	23604
Other Names	Death-associated protein kinase 2; DAP kinase 2; DAP-kinase-related protein 1; DRP-1
Target/Specificity	Recognizes endogenous levels of DAP Kinase 2 protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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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="#">17347302</a> ). Regulates granulocytic motility by controlling cell spreading and polarization (PubMed: <a href="#">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

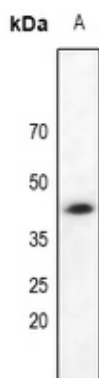
## Background

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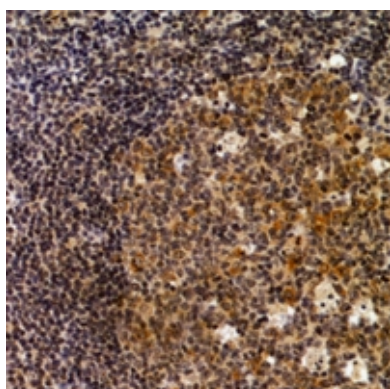
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DAP Kinase 2. The exact sequence is proprietary.

## Images

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Western blot analysis of DAP Kinase 2 expression in PC3 (A) whole cell lysates.



Immunohistochemical analysis of DAP Kinase 2 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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