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Anti-DAP Kinase 2 Antibody

Rabbit polyclonal antibody to DAP Kinase 2
Catalog # AP61114

Product Information

Application	WB, IHC
Primary Accession	Q9UIK4
Other Accession	Q8VDF3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42898

Additional Information

Gene ID	23604
Other Names	Death-associated protein kinase 2; DAP kinase 2; DAP-kinase-related protein 1; DRP-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DAP Kinase 2. The exact sequence is proprietary.
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

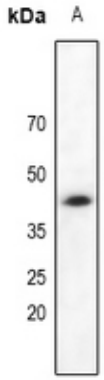
Name	DAPK2
Function	Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Regulates both type I apoptotic and type II autophagic cell death signals, depending on the cellular setting. The former is caspase-dependent, 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). Cytoplasm. Cytoplasmic vesicle, autophagosome lumen

Cellular Location	
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

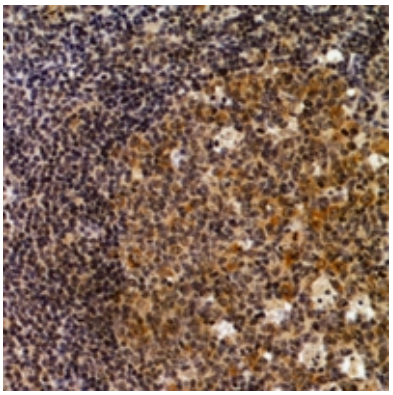
Background

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

Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.