

DGKK Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5122b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q5KSL6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23864
Calculated MW	141829
Antigen Region	1232-1261

Additional Information

Gene ID	139189
Other Names	Diacylglycerol kinase kappa, DAG kinase kappa, 142 kDa diacylglycerol kinase, Diglyceride kinase kappa, DGK-kappa, DGKK
Target/Specificity	This DGKK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1232-1261 amino acids from the C-terminal region of human DGKK.
Dilution	IHC-P~~1:100~500 WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DGKK Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DGKK (HGNC:32395)
Function	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed: 16210324 , PubMed: 23949095). Thereby, acts as a central switch between the signaling pathways activated by these second

messengers with different cellular targets and opposite effects in numerous biological processes (Probable).

Cellular Location

Cell membrane; Peripheral membrane protein

Tissue Location

Expressed in testis, and to a lesser extent in placenta.

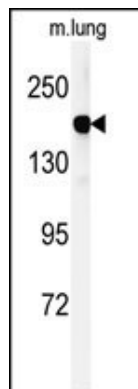
Background

DGKK phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA).

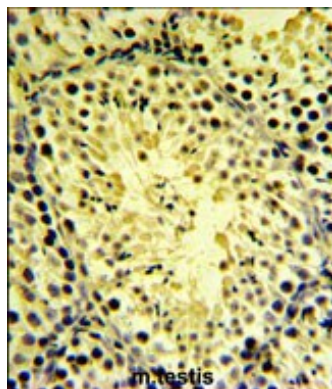
References

Imai, S., et al. J. Biol. Chem. 280(48):39870-39881(2005)

Images



Western blot analysis of DGKK Antibody (C-term) (Cat. #AP5122b) in mouse lung tissue lysates (35ug/lane).DGKK (arrow) was detected using the purified Pab.



DGKK Antibody (C-term) (Cat. #AP5122b) IHC analysis in formalin fixed and paraffin embedded mouse testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DGKK Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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