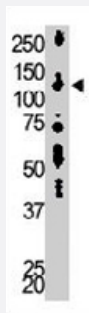


DGKD polyclonal antibody

Catalog # PAB3346

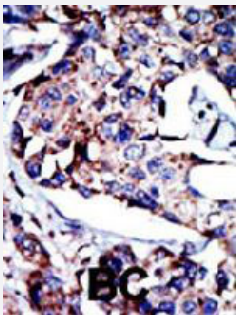
Size 400 uL

Applications



Western Blot (Tissue lysate)

The DGKD polyclonal antibody (Cat # PAB3346) is used in Western blot to detect DGKD delta in mouse liver tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with DGKD polyclonal antibody (Cat # PAB3346), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DGKD.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human DGKD.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The DGKD polyclonal antibody (Cat # PAB3346) is used in Western blot to detect DGKD delta in mouse liver tissue lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — DGKD

Entrez GeneID	8527
Protein Accession#	Q16760
Gene Name	DGKD
Gene Alias	DGKdelta, FLJ26930, KIAA0145, dgkd-2
Gene Description	diacylglycerol kinase, delta 130kDa
Omim ID	601826
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytoplasmic enzyme that phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids that act as second messengers in signaling cascades. Their cellular concentrations are regulated by the encoded protein, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	DAG kinase delta diacylglycerol kinase, delta (130kD) diglyceride kinase

Publication Reference

- [Molecular cloning of a novel diacylglycerol kinase isozyme with a pleckstrin homology domain and a C-terminal tail similar to those of the EPH family of protein-tyrosine kinases.](#)

Sakane F, Imai S, Kai M, Wada I, Kanoh H.

The Journal of Biological Chemistry 1996 Apr; 271(14):8394.

Application: WB-Tr, Monkey, COS-7 cells

- [Prediction of the coding sequences of unidentified human genes. IV. The coding sequences of 40 new genes \(KIAA0121-KIAA0160\) deduced by analysis of cDNA clones from human cell line KG-1.](#)

Nagase T, Seki N, Tanaka A, Ishikawa K, Nomura N.

DNA Research 1995 Aug; 2(4):167.

Pathway

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Tobacco Use Disorder](#)