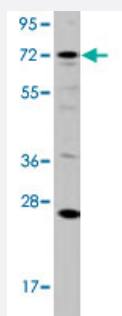


DGKA polyclonal antibody

Catalog # PAB3350

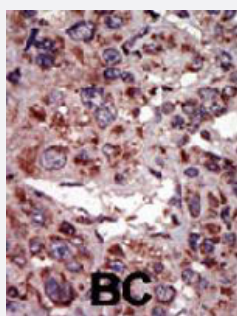
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HL-60 cell lysate (35 ug/lane) with DGKA polyclonal antibody (Cat # PAB3350).



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with DGKA polyclonal antibody (Cat # PAB3350), which was peroxidase-conjugated to the secondary antibody, followed by AEC 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 DGKA.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human DGKA.
Host	Rabbit
Reactivity	Human
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 (Cell lysate)

Western blot analysis of HL-60 cell lysate (35 ug/lane) with DGKA polyclonal antibody (Cat # PAB3350).

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

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Gene Info — DGKA

Entrez GeneID	1606
Protein Accession#	NP_958853:P23743
Gene Name	DGKA
Gene Alias	DAGK, DAGK1, DGK-alpha, MGC12821, MGC42356
Gene Description	diacylglycerol kinase, alpha 80kDa
Omim ID	125855
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq]
Other Designations	diacylglycerol kinase alpha diacylglycerol kinase, alpha (80kD)

Publication Reference

- [Assignment of the human diacylglycerol kinase gene \(DAGK\) to 12q13.3 using fluorescence in situ hybridization analysis.](#)

Hart TC, Zhou J, Champagne C, Van Dyke TE, Rao PN, Pettenati MJ.

Genomics 1994 Jul; 22(1):246.

- [Assignment of the gene for diacylglycerol kinase \(DAGK\) to human chromosome 12.](#)

Hart TC, Champagne C, Zhou J, Van Dyke TE.

Mammalian Genome 1994 Feb; 5(2):123.

- [Purification, cDNA-cloning and expression of human diacylglycerol kinase.](#)

Schaap D, de Widt J, van der Wal J, Vandekerckhove J, van Damme J, Gussow D, Ploegh HL, van Blitterswijk WJ, van der Bend RL.

FEBS Letters 1990 Nov; 275(1-2):151.

Pathway

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