

Product datasheet for **CF501381**

DGKB Mouse Monoclonal Antibody [Clone ID: OTI1F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F9
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Dog, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DGKB (NP_663733) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	86.9 kDa
Gene Name:	diacylglycerol kinase beta
Database Link:	NP_663733 Entrez Gene 54248 Rat Entrez Gene 217480 Mouse Entrez Gene 482328 Dog Entrez Gene 715254 Monkey Entrez Gene 1607 Human Q9Y6T7



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Background:

Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

Synonyms:

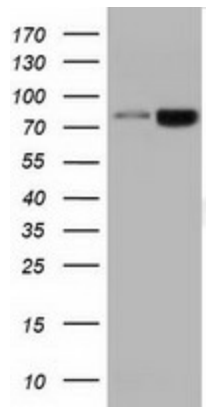
DAGK2; DGK; DGK-BETA

Protein Families:

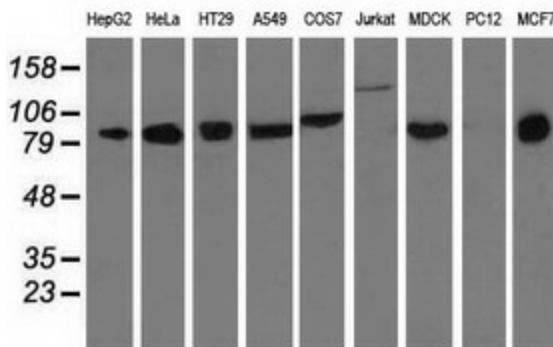
Druggable Genome

Protein Pathways:

Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DGKB (Cat# [RC211233], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DGKB (Cat# [TA501381]). Positive lysates [LY407898] (100ug) and [LC407898] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DGKB monoclonal antibody.