

KD-Validated Anti-Diacylglycerol Kinase Alpha Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1938

Product Information

Application	WB, FC
Primary Accession	P23743
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB6425
Calculated MW	82630
Gene Name	DGKA
Aliases	DGKA; Diacylglycerol Kinase Alpha; DGK-Alpha; DAGK1; DAGK; Diacylglycerol Kinase, Alpha 80kDa; 80 KDa Diacylglycerol Kinase; Diglyceride Kinase Alpha; DAG Kinase Alpha; EC 2.7.1.107; Diacylglycerol Kinase, Alpha (80kD); EC 2.7.1.93
Immunogen	Recombinant protein of human DGKA

Additional Information

Gene ID	1606
Other Names	Diacylglycerol kinase alpha, DAG kinase alpha, 2.7.1.107, 2.7.1.93, 80 kDa diacylglycerol kinase, Diglyceride kinase alpha, DGK-alpha, DGKA, DAGK, DAGK1

Protein Information

Name	DGKA
Synonyms	DAGK, DAGK1
Function	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed: 15544348 , PubMed: 2175712). 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 (PubMed: 15544348 , PubMed: 2175712). Also plays an important role in the biosynthesis of complex lipids (Probable). Can also phosphorylate 1-alkyl-2- acylglycerol in vitro as efficiently as diacylglycerol provided it contains an arachidonoyl group (PubMed: 15544348). Also involved in the production of alkyl-lysophosphatidic acid, another bioactive lipid, through the phosphorylation of 1-alkyl-2-acetyl glycerol (PubMed: 22627129).

Cellular Location	Cytoplasm, cytosol.
Tissue Location	Expressed in lymphocytes.

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