

Product Name: KD-Validated Diacylglycerol Kinase Alpha Mouse Monoclonal Antibody
Catalog #: KVA00661

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 82.6kDa

Antigen Information

Gene Name	DGKA DGKA; Diacylglycerol Kinase Alpha; DGK-Alpha; DAGK1; DAGK; Diacylglycerol Kinase, Alpha
Alternative Names	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
Gene ID	1606.0
SwissProt ID	P23743
Immunogen	Recombinant protein of human DGKA

Background

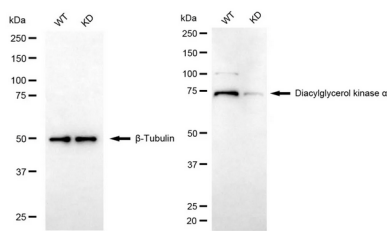
The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role

in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Several transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Apr 2017]

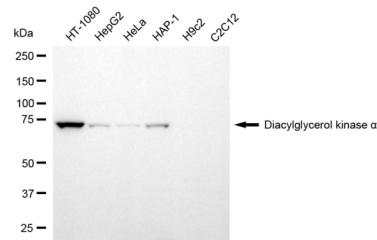
Research Area

Signal Transduction, Metabolism

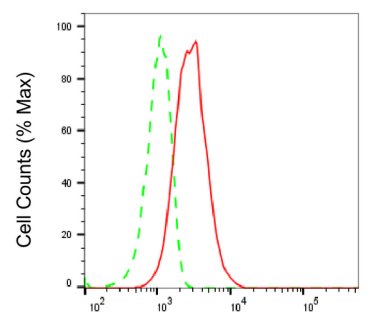
Image Data



Western blotting analysis using diacylglycerol kinase alpha antibody (KVA00661). Diacylglycerol kinase alpha expression in wild type (WT) and diacylglycerol kinase alpha (DGKA) knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with diacylglycerol kinase alpha antibody (KVA00661, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using diacylglycerol kinase alpha antibody (KVA00661). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with diacylglycerol kinase alpha antibody (KVA00661, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Diacylglycerol kinase alpha-Alexa Fluor® 647

Flow cytometric analysis of Diacylglycerol kinase alpha expression in HT-1080 cells using Diacylglycerol kinase alpha antibody (KVA00661, 1:2,000). Green, isotype control; red, Diacylglycerol kinase alpha.