

[KD Validated] Anti-DGKA Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

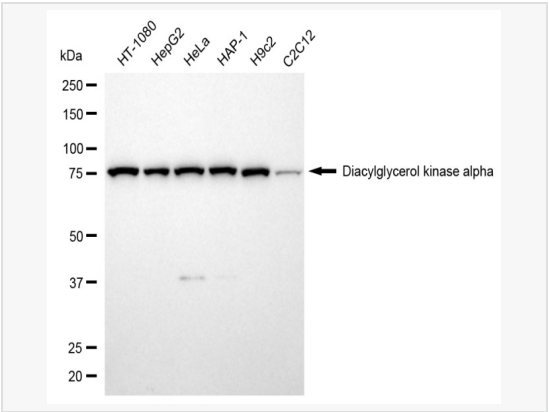
Catalog # R020558

Product Information

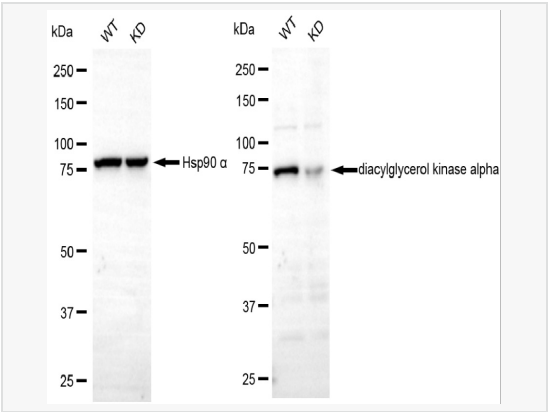
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	60N96D52
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human DGKA
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-DGKA Rabbit mAb [60N96D52] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

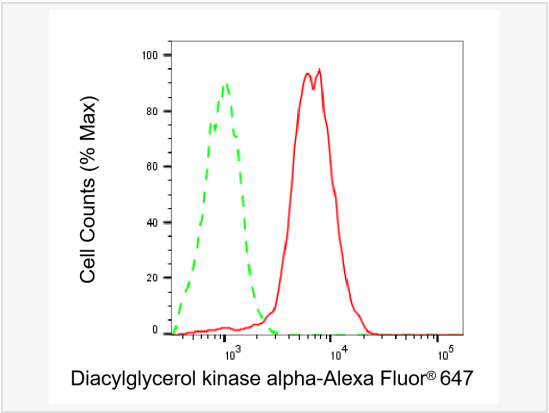
Synonyms	DGKA; Diacylglycerol Kinase Alpha; DGK-Alpha; DAGK1; DAGK; Diacylglycerol Kinase, Alpha 80kDa; 80 KDa Diacylglycerol Kinase; Diglyceride Kinase Alpha; DAG Kinase Alpha; EC 2.7.1.107; Diacylglycerol Kinase, Alpha (80kD); EC 2.7.1.93.
Calculated MW	Calculated MW: 83 kDa; Observed MW: 75 kDa
Uniprot ID	P23743
Gene ID	1606
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]
Tissue Location	Lymphocytes and oligodendroglial cells.



Western blotting analysis using diacylglycerol kinase alpha antibody (R020558). 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 (R020558, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using diacylglycerol kinase alpha antibody (R020558). Diacylglycerol kinase alpha expression in wild-type (WT) and diacylglycerol kinase alpha (DGKA) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with diacylglycerol kinase alpha antibody (R020558, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Flow cytometric analysis of Diacylglycerol kinase alpha expression in HepG2 cells using Diacylglycerol kinase alpha antibody (R020558, 1:2,000). Green, isotype control; red, Diacylglycerol kinase alpha.