

DGKA Rabbit mAb

Catalog No: #52749

Package Size: #52749-1 50ul #52749-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

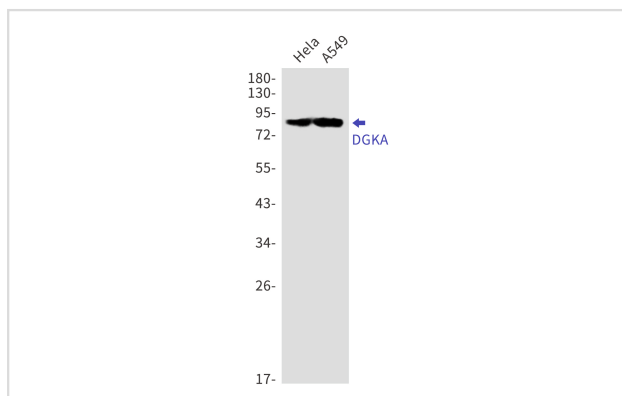
Description

Product Name	DGKA Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-6H4
Isotype	IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	Recombinant protein of human DGKA
Conjugates	Unconjugated
Modification	Unmodification
Other Names	DAGK; DAGK1; DGK-alpha
Accession No.	Swiss-Prot:P23743GenelD:1606
Uniprot	P23743
GenelD	1606
Calculated MW	Calculated MW:83 kDa,Observed MW:83 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

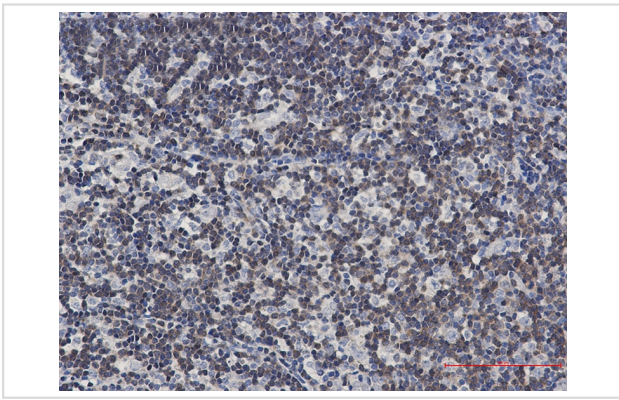
Application Details

WB: 1/1000 IHC: 1/50

Images



Western blot detection of DGKA in HeLa,A549 cell lysates using DGKA Rabbit mAb(1:1000 diluted).Predicted band size:83kDa.Observed band size:83kDa.



Immunohistochemistry of DGKA in paraffin-embedded Human tonsil using DGKA Rabbit mAb at dilution 1/50

Background

Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:2175712, PubMed:15544348).

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:2175712, PubMed:15544348).

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).

Note: This product is for in vitro research use only