

DATASHEET

DGK alpha Rabbit Monoclonal Antibody(C3236)

CAT. NO. AMA02848

KEY FEATURES

Target	DGK alpha	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.	Storage	at-20°C

BACKGROUND

Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids . 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 . 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 . Also involved in the production of alkyl-lysophosphatidic acid, another bioactive lipid, through the phosphorylation of 1-alkyl-2-acetyl glycerol .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit monoclonal antibody to DGK alpha
Specificity	Recognizes endogenous levels of DGK alpha protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein of human DGKA
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 83 kD; Observed: 83 kD
Form/Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Alternative Names	DAGK; DAGK1; Diacylglycerol kinase alpha; DAG kinase alpha; 80 kDa diacylglycerol kinase; Diglyceride kinase alpha; DGK-alpha
Gene Symbol	DGKA
Entrez Gene	1606(Human)
SwissProt	P23743(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

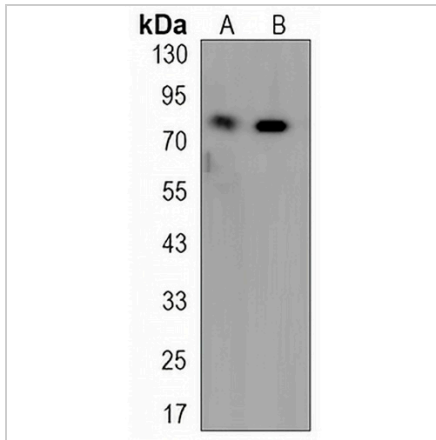
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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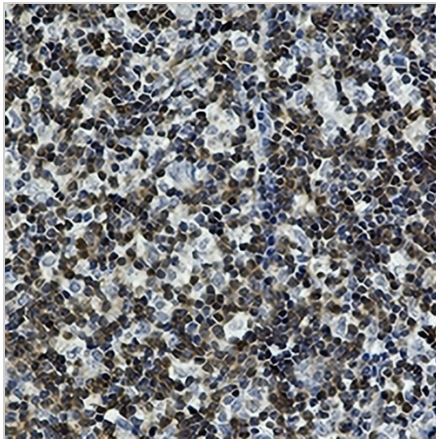
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DATA



Western blot analysis of DGK alpha expression in HeLa (A), A549 (B) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 83 kD)



Immunohistochemical analysis of DGK alpha staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.