

Product Datasheet

DGK-alpha Antibody - Azide and BSA Free H00001606-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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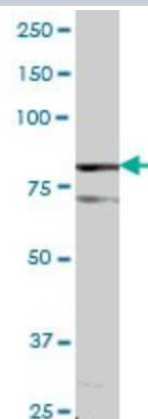
H00001606-B01P

DGK-alpha Antibody - Azide and BSA Free

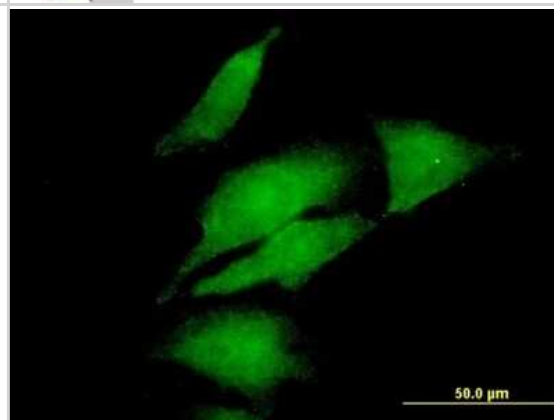
Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Product Description	
Description	Quality control test: Antibody reactive against mammalian transfected lysate.
Host	Mouse
Gene ID	1606
Gene Symbol	DGKA
Species	Human, Baboon
Specificity/Sensitivity	DGKA - diacylglycerol kinase, alpha 80kDa,
Immunogen	DGKA (NP_001336.2, 1 a.a. - 735 a.a.) full-length human protein. MAKERGLISPSDFAQLQKYMESTKKVSDVLKLFEDGEMAKYVQGDGDAIGYEGF QQFLKIYLEVDNVPRHLSLALFQSFETGHCLNETNVTKDVVCLNDVSCYFSLLE GGRPEDKLEFTFKLYDTRNGILDSSEVDKIILQMMRVAEYLDWDVSELRPILQ EMMKEIDYDGSGSVSQA EWVRAGATTVPLLVLGLEM TLKDDGQHMWRPKR FPRPVYCNLCESSIGLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDI GVQSHVWVRGGCESGRCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGH ECDCGLLRDHLPPSSIYPSVLASGPDRKNSKTSQKTMDDLNLSTSEALRIDPVP NTHPLLVFVNP KSGGKQQRVLWKFQYILNPRQVFNLLKDGPEIGLRLFKDVP DSRILVCGGDGTGVWILETIDKANLPVLPVAVLPLGTGNDLARCLRWGGGYE GQNLAKILKDLEMSKVHMDRWSVEVIPQQTEEKSDPVPFQIINNYFSIGVDASI AHRFHIMREKYPEKFNSRMKNKLWYFEFATSE SIFSTCKKLEESLTV EICGKPL DLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGINQALGATAKVITDPDIL KTCVPLSDKRLEVVGLEGA IEMGQIYTKLKNAGRRLAKCSEITFHTTKTLPMQI DGEPWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. It is also useful for IF.

Images

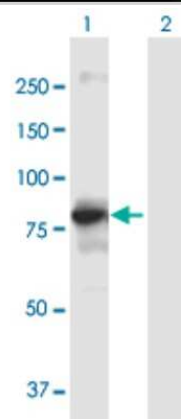
Western Blot: DGK-alpha Antibody [H00001606-B01P] - Analysis of DGKA expression in human spleen.



Immunocytochemistry/Immunofluorescence: DGK-alpha Antibody [H00001606-B01P] - Analysis of purified antibody to DGKA on HeLa cell. (antibody concentration 10 ug/ml)



Western Blot: DGK-alpha Antibody [H00001606-B01P] - Analysis of DGKA expression in transfected 293T cell line by DGKA polyclonal antibody. Lane 1: DGKA transfected lysate(80.85 KDa). Lane 2: Non-transfected lysate.



Publications

Jie C, Yan W, Di Z et al. Chrysin serves as a novel inhibitor of DGK α /FAK interaction to suppress the malignancy of esophageal squamous cell carcinoma (ESCC). *Acta Pharm Sin B*. 2020-07-23 [PMID: 33532186]

Torres-Ayuso P, Daza-Martin M, Martin-Perez J et al. Diacylglycerol kinase alpha promotes 3D cancer cell growth and limits drug sensitivity through functional interaction with Src Oncotarget. [PMID: 25339152] (WB, ICC/IF, Human)

Alonso R, Mazzeo C, Rodriguez MC et al. Diacylglycerol kinase alpha regulates the formation and polarisation of mature multivesicular bodies involved in the secretion of Fas ligand-containing exosomes in T lymphocytes. *Cell Death Differ*. 2011-01-21 [PMID: 21252909]

Torres-Ayuso P, Tello-Lafoz M, Merida I, Avila-Flores A. Diacylglycerol kinase-zeta regulates mTORC1 and lipogenic metabolism in cancer cells through SREBP-1. *Oncogenesis*. 2015-08-24 [PMID: 26302180]

Karere GM, Glenn JP, Birnbaum S et al. Identification of candidate genes encoding an LDL-C QTL in baboons. *J Lipid Res*. 2013-07-01 [PMID: 23596326]



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Products Related to H00001606-B01P

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00001606-P01-10ug	Recombinant Human DGK-alpha GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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