



DGK-к Polyclonal Antibody

Catalog No	BYab-14729
Isotype	lgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;WB;ELISA
Gene Name	DGKK
Protein Name	Diacylglycerol kinase kappa
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKK. AA range:1221-1270
Specificity	DGK-ĸ Polyclonal Antibody detects endogenous levels of DGK-ĸ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DGKK; Diacylglycerol kinase kappa; DAG kinase kappa; 142 kDa diacylglycerol kinase; Diglyceride kinase kappa; DGK-kappa
Observed Band	142kD
Cell Pathway	Cell membrane ; Peripheral membrane protein .
Tissue Specificity	Expressed in testis, and to a lesser extent in placenta.
Function	catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,enzyme regulation:Inhibited in response to H(2)O(2).,function:Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA).,PTM:Phosphorylated at Tyr-78 by some member of the SRC family in response to H(2)O(2).,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 1 PH domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,subunit:Does not form homooligomers.,tissue specificity:Expressed in testis, and to a lesser extent in placenta.,

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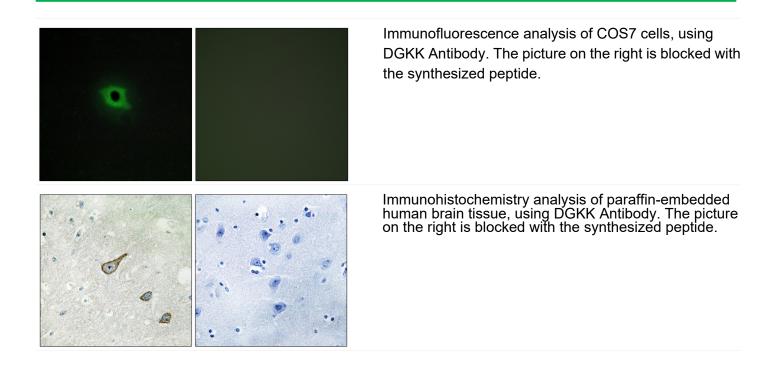


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Background	The protein encoded by this gene is an enzyme that phosphorylates diacylglycerol, converting it to phosphatidic acid. The encoded protein is a membrane protein and is inhibited by hydrogen peroxide. Variations in this gene have been associated with hypospadias. [provided by RefSeq, Mar 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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