



DGK-κ Monoclonal Antibody

Catalog No	YP-mAb-14729
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DGKK
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKK. AA range:1221-1270
Specificity	DGK-κ Monoclonal Antibody detects endogenous levels of DGK-κ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	142 kDa diacylglycerol kinase;DAG kinase kappa;DGK kappa;Diacylglycerol kinase kappa;Diglyceride kinase kappa;DGK-κ;DGKK;DGK-kappa
Observed Band	142kD
Calculated Molecular Weight	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.,

**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.

Products Images