



# DGK-κ Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-14729
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF;WB;ELISA
<b>Gene Name</b>	DGKK
<b>Protein Name</b>	Diacylglycerol kinase kappa
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human DGKK. AA range:1221-1270
<b>Specificity</b>	DGK-κ Polyclonal Antibody detects endogenous levels of DGK-κ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	DGKK; Diacylglycerol kinase kappa; DAG kinase kappa; 142 kDa diacylglycerol kinase; Diglyceride kinase kappa; DGK-kappa
<b>Observed Band</b>	142kD
<b>Cell Pathway</b>	Cell membrane ; Peripheral membrane protein .
<b>Tissue Specificity</b>	Expressed in testis, and to a lesser extent in placenta.
<b>Function</b>	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.,
<b>Background</b>	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],

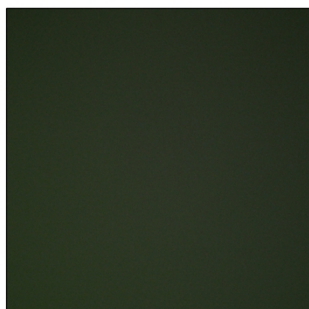
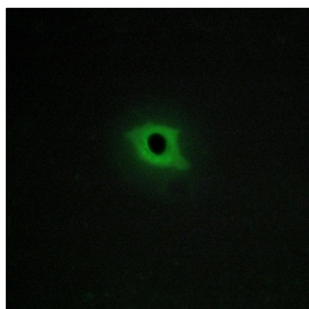
**matters needing attention**

Avoid repeated freezing and thawing!

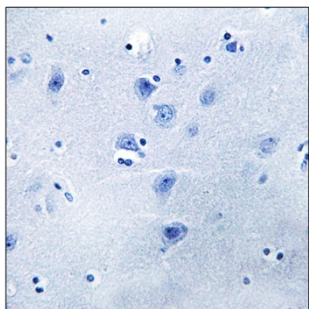
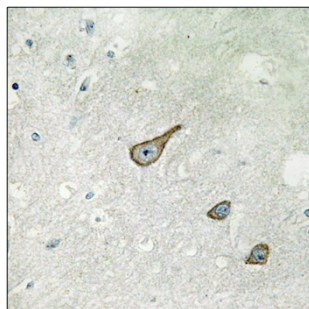
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunofluorescence analysis of COS7 cells, using DGKK Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DGKK Antibody. The picture on the right is blocked with the synthesized peptide.