

Rabbit Anti-DGKK antibody

SL14300R

Product Name DGKK

Chinese Name 甘油二酯激酶 κ /DGK- κ 抗体

Alias 142 kDa diacylglycerol kinase; DAG kinase kappa; DGK kappa; DGKK_HUMAN; Diacylglycerol kinase kappa; Diglyceride kinase kappa.

Research Area Tumour Cell biology Signal transduction The new supersedes the old

Immunogen Species Rabbit

Clonality Polyclonal

React Species Rat(predicted:Human,Mouse)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 142kDa

Cellular localization cytoplasmic The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DGKK: 181-280/1271

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product The protein encoded by this gene is an enzyme that phosphorylates diacylglycerol,

Detail

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]

Function:

DGKK (Diacylglycerol kinase kappa) phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA).

Subunit:

Does not form homooligomers.

Subcellular Location:

Cytoplasm. Membrane; Peripheral membrane protein

Tissue Specificity:

Expressed in testis, and to a lesser extent in placenta.

Post-translational modifications:

Phosphorylated at Tyr-78 by some member of the SRC family in response to H₂O₂.

Similarity:

Belongs to the eukaryotic diacylglycerol kinase family.

Contains 1 DAGKc domain.

Contains 1 PH domain.

Contains 2 phorbol-ester/DAG-type zinc fingers.

SWISS:

Q5KSL6

Gene ID:

139189

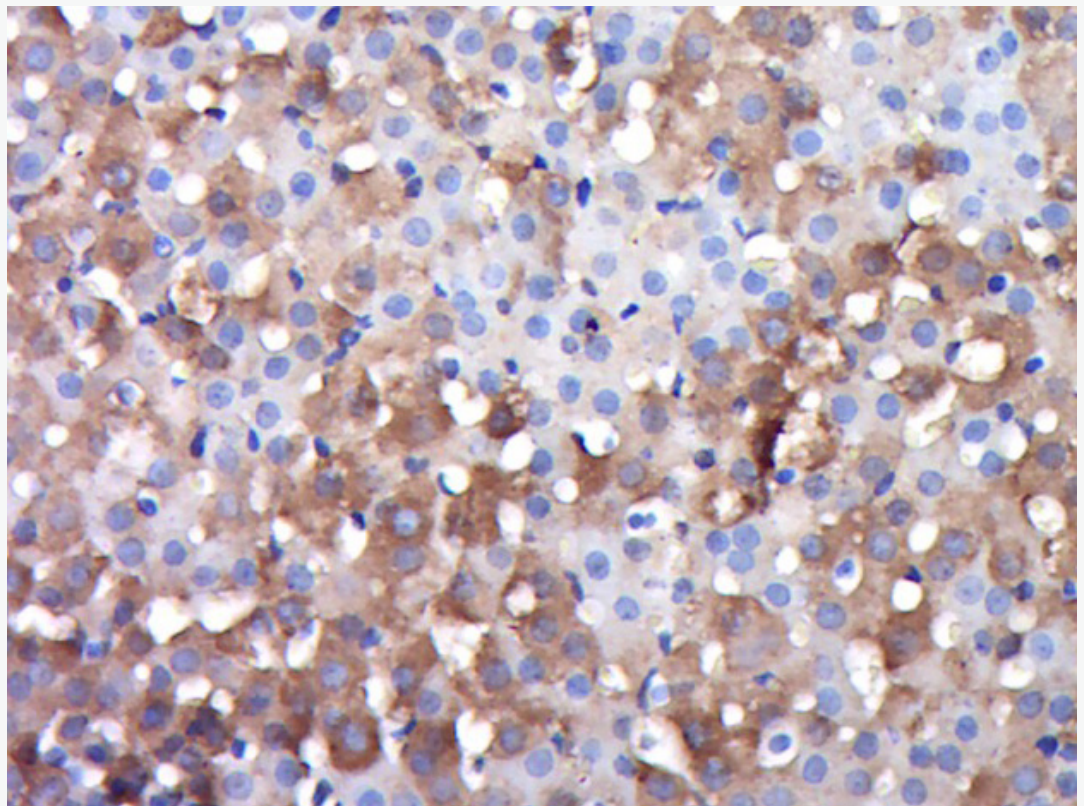
Database links:

[Entrez Gene: 139189](#) Human

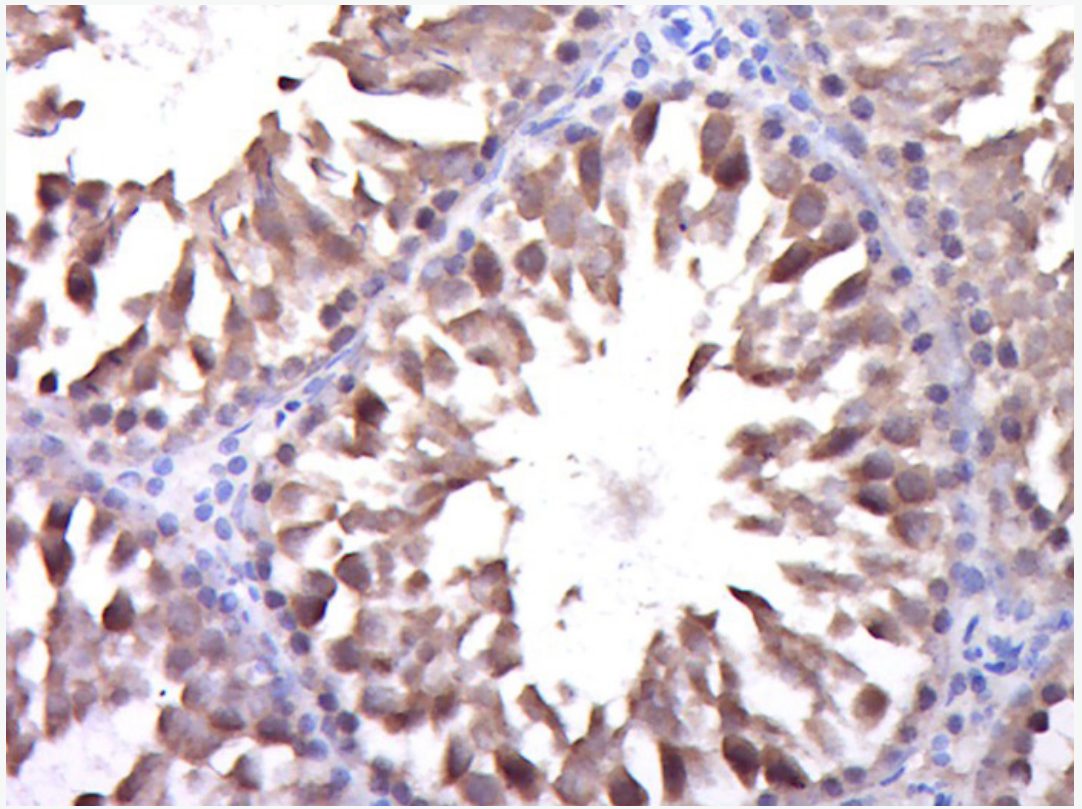
[Entrez Gene: 331374](#) Mouse

[SwissProt: Q5KSL6](#) Human

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DGKK) Polyclonal Antibody, Unconjugated (SL14300R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DGKK) Polyclonal Antibody, Unconjugated (SL14300R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.