

Rabbit Anti-DGKB antibody

SL14295R

Product Name DGKB

Chinese Name 甘油二酯激酶 β /DGK- β 抗体

Alias 90 kDa diacylglycerol kinase; DAG kinase beta; DAGK2; DGK; DGK B; DGK beta; DGK-beta; Dgkb; DGKB_HUMAN; Diacylglycerol kinase beta (90kD); Diacylglycerol kinase beta 90kDa; Diacylglycerol kinase beta; Diglyceride kinase beta; KIAA0718.

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

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse(predicted:Human,Rat,Dog,Cow,Horse,Sheep)

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 91kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DGKB: 1-100/804

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

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Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

Exhibits high phosphorylation activity for long-chain diacylglycerols.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the eukaryotic diacylglycerol kinase family. Contains 1 DAGKc domain. Contains 2 EF-hand domains. Contains 2 phorbol-ester/DAG-type zinc fingers.

**Product
Detail**

SWISS:

Q9Y6T7

Gene ID:

1607

Database links:

[Entrez Gene: 1607](#) Human

[Entrez Gene: 217480](#) Mouse

[Omim: 604070](#) Human

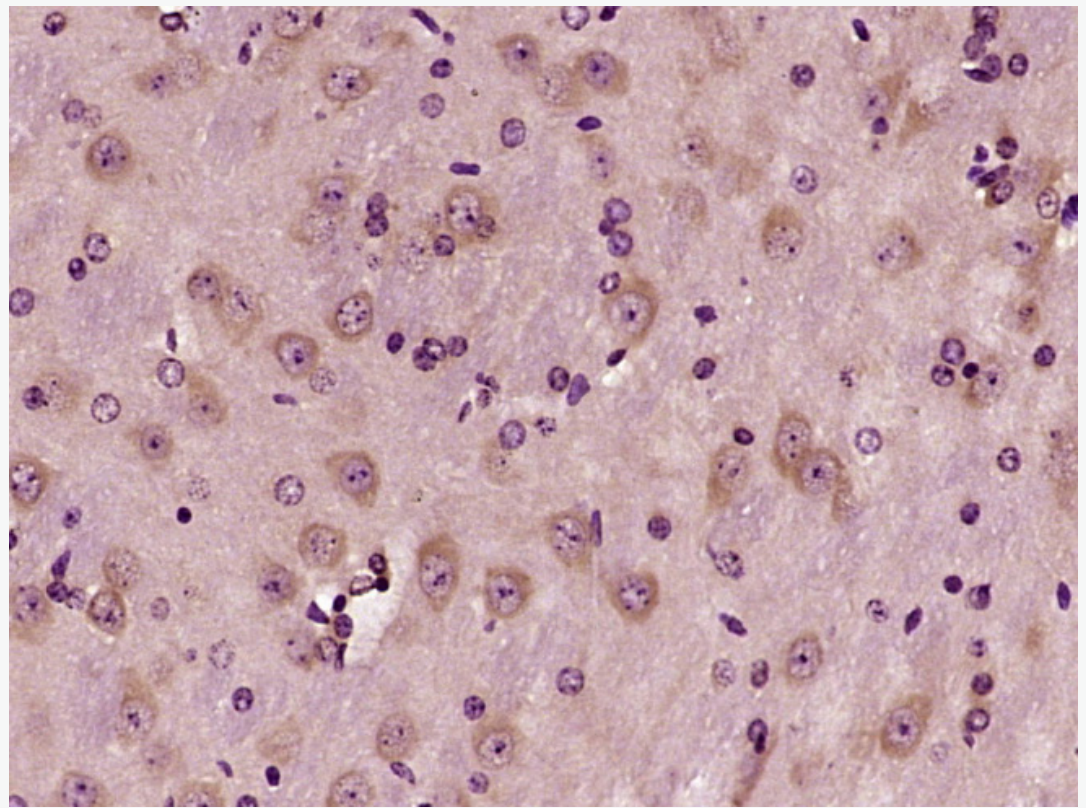
[SwissProt: Q9Y6T7](#) Human

[SwissProt: Q6NS52](#) Mouse

[Unigene: 567255](#) Human

[Unigene: 126525](#) Mouse

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (DGKB) Polyclonal Antibody, Unconjugated (SL14295R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.