

Rabbit Anti-DGKI antibody

SL14299R

Product Name DGKI

Chinese Name 甘油二酯激酶 ν DGK- ι 抗体

Alias DAG kinase iota; DGK iota; DGKiota; DGKI_HUMAN; Diacylglycerol kinase iota; Diglyceride kinase iota.

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

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human

Applications WB=1:500-2000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 117kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DGKI: 101-200/1065

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Human1M TBS(pH7.4) with 1% BSA, Human3% 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 Detail This gene is a member of the type IV diacylglycerol kinase subfamily. Diacylglycerol kinases regulate the intracellular concentration of diacylglycerol through its

phosphorylation, producing phosphatidic acid. The specific role of the enzyme encoded by this gene is undetermined, however, it may play a crucial role in the production of phosphatidic acid in the retina or in recessive forms of retinal degeneration. [provided by RefSeq, Jul 2008]

Function:

This gene is a member of the type IV diacylglycerol kinase subfamily. Diacylglycerol kinases regulate the intracellular concentration of diacylglycerol through its phosphorylation, producing phosphatidic acid. The specific role of the enzyme encoded by this gene is undetermined, however, it may play a crucial role in the production of phosphatidic acid in the retina or in recessive forms of retinal degeneration.

Subcellular Location:

Cytoplasm. Nucleus.

SWISS:

O75912

Gene ID:

9162

Database links:

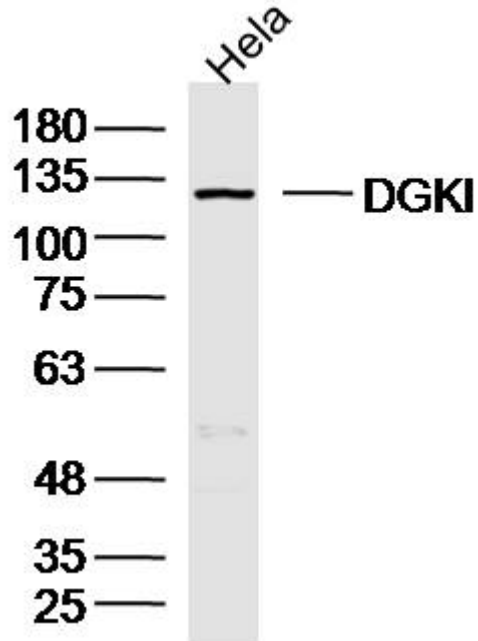
[Entrez Gene: 9162](#) Human

[Entrez Gene: 688705](#) Rat

[Omim: 604072](#) Human

[SwissProt: O75912](#) Human

**Product
Picture**



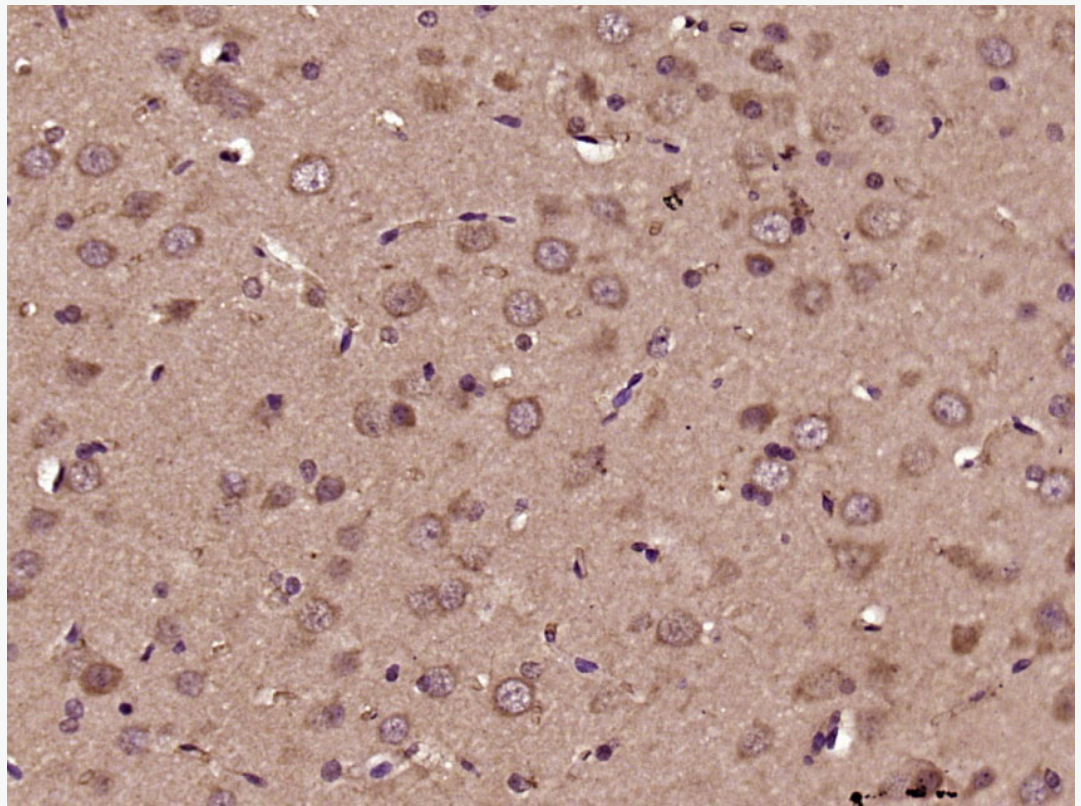
Sample:HeLa (Human)Cell Lysate at 40 ug

Primary: Anti-DGKI(SL14299R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 117kD

Observed band size: 117kD



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (DGKI) Polyclonal Antibody, Unconjugated (SL14299R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.