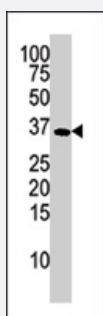


# DGUOK polyclonal antibody

Catalog # PAB4644

Size 400 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of DGUOK polyclonal antibody (Cat # PAB4644) in mouse kidney tissue lysate (35 ug/lane). DGUOK (arrow) was detected using the purified DGUOK polyclonal antibody (Cat # PAB4644) (1 : 60 dilution).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of DGUOK.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human DGUOK.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — DGUOK

Entrez GeneID [1716](#)

Protein Accession# [NP\\_550438](#)

Gene Name DGUOK

Gene Alias dGK

Gene Description deoxyguanosine kinase

Omim ID [251880 601465](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** In mammalian cells, the phosphorylation of purine deoxyribonucleosides is mediated predominantly by two deoxyribonucleoside kinases, cytosolic deoxycytidine kinase and mitochondrial deoxyguanosine kinase. The protein encoded by this gene is responsible for phosphorylation of purine deoxyribonucleosides in the mitochondrial matrix. In addition, this protein phosphorylates several purine deoxyribonucleoside analogs used in the treatment of lymphoproliferative disorders, and this phosphorylation is critical for the effectiveness of the analogs. Alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq]

**Other Designations** OTTHUMP00000160251|OTTHUMP00000160252|deoxyguanosine kinase, mitochondrial

## Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)

## Disease

- [Kidney Failure](#)