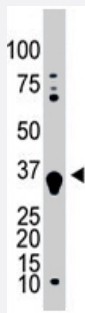


DGUOK polyclonal antibody

Catalog # PAB4645

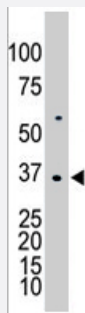
Size 400 uL

Applications



Western Blot (Tissue lysate)

The DGUOK polyclonal antibody (Cat # PAB4645) is used in Western blot to detect DGUOK in mouse thymus tissue lysate .



Western Blot (Cell lysate)

The DGUOK polyclonal antibody (Cat # PAB4645) is used in Western blot to detect DGUOK in K-562 cell lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DGUOK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human DGUOK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The DGUOK polyclonal antibody (Cat # PAB4645) is used in Western blot to detect DGUOK in mouse thymus tissue lysate .

- Western Blot (Cell lysate)

The DGUOK polyclonal antibody (Cat # PAB4645) is used in Western blot to detect DGUOK in K-562 cell lysate .

- 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](#)