

DNAxPAb

Hard-to-Find
Antibody

DGUOK DNAxPab

Catalog # H00001716-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DGUOK DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAAGRLFLSRLRAPFSSMAKSPLEGVSSSRGLHAGRGPRRLSIEGNAVKGSTFVKLLTKTYPEW HVATEPVATWQNIQAAGTQKACTAQSLGNLLDMMYREPARWSYTFQTFSLSLKLVQLEPFPEK LLQARKPVQIFERSVYSYDRYIFAKNLFENGSLSDIEWHIYQDWHSFLLWEFASRITLHGFMQLASPQ VCLKRLYQRRAREEEKGIELAYLEQLHGQHEAWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTKQ EDLMREVNTFVKNL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — DGUOK

Entrez GeneID [1716](#)

GeneBank Accession# [NM_080916.1](#)

Protein Accession# [NP_550438.1](#)

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](#)