DGUOK rabbit monoclonal antibody

Catalog # H00001716-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DGUOK peptide using ARM Technology.
Immunogen	A synthetic peptide of human DGUOK is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DGUOK peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — DGUOK

Entrez GeneID	1716
GeneBank Accession#	DGUOK
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