

## DATASHEET

# DGUOK Rabbit Polyclonal Antibody

CAT. NO. APA13004

### KEY FEATURES

Target	DGUOK	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Phosphorylates deoxyguanosine and deoxyadenosine in the mitochondrial matrix, with the highest efficiency for deoxyguanosine. In non-replicating cells, where cytosolic dNTP synthesis is down-regulated, mtDNA synthesis depends solely on DGUOK and TK2. Phosphorylates certain nucleoside analogs. Widely used as target of antiviral and chemotherapeutic agents.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

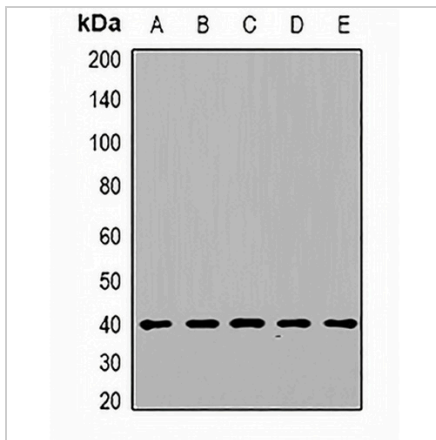
Description	Rabbit polyclonal antibody to DGUOK
Specificity	Recognizes endogenous levels of DGUOK protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DGUOK
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 9; Observed: 40 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DGK; Deoxyguanosine kinase mitochondrial; dGK
Gene Symbol	DGUOK
Entrez Gene	1716(Human); 27369(Mouse)
SwissProt	Q16854(Human); Q9QX60(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of DGUOK expression in HepG2 (A), mouse heart (B), mouse kidney (C), rat liver (D), rat brain (E) whole cell lysates. (Predicted band size: 9; 17; 21; 27; 29; 32 kD; Observed band size: 40 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.