**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA337928

## Deoxyguanosine kinase (DGUOK) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | The immunogen for anti-DGUOK antibody is: synthetic peptide directed towards the C-terminal region of Human DGUOK. Synthetic peptide located within the following region: EQLHGQHEAWLIHKTTKLHFEALMNIPVLVLDVNDDFSEEVTKQEDLMRE |
| **Formulation:** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>*Note that this product is shipped as lyophilized powder to China customers.* |
| **Purification:** | Affinity Purified |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 28 kDa |
| **Gene Name:** | deoxyguanosine kinase |
| **Database Link:** | NP_550438<br>Entrez Gene 1716 Human<br>Q16854 |

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**Background:** 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.

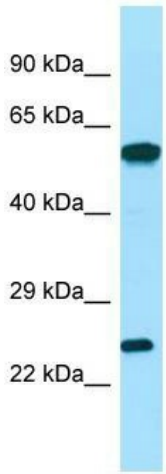
**Synonyms:** dGK; MTDPS3

**Note:** Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 86%; Bovine: 86%; Rabbit: 86%; Rat: 85%; Horse: 79%; Guinea pig: 79%

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism

## Product images:




WB Suggested Anti-DGUOK Antibody; Titration: 1.0 ug/ml; Positive Control: 721_B Whole Cell DGUOK is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells