

Datasheet for ABIN6139574

anti-Deoxyguanosine Kinase antibody (AA 40-277)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Deoxyguanosine Kinase (DGUOK)
Binding Specificity:	AA 40-277
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Deoxyguanosine Kinase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 40-277 of human DGUOK (NP_550438.1).
Sequence:	RLSIEGNIAV GKSTFVKLLT KTYPEWHVAT EPVATWQNIQ AAGTQKACTA QSLGNLLDMM YREPARWSYT FQTF SFLSRL KVQLEPFPEK LLQARKPVQI FERSVYSDRY IFAKNLFENG SLSDIEWHIY QDWSHFLWE FASRITLHGF IYLQASPQVC LKRLYQRARE EEKGIELAYL EQLHGQHEAW LIHKTTKLHF EALMNIPVLV LDVNDDFSEE VTKQEDLMRE VNTFVKNL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

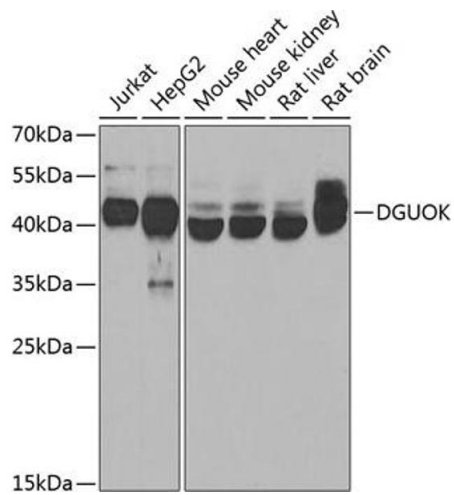
Target:	Deoxyguanosine Kinase (DGUOK)
Alternative Name:	DGUOK (DGUOK Products)
Background:	In mammalian cells, the phosphorylation of purine deoxyribonucleosides is mediated predominantly by two deoxyribonucleoside kinases, cytosolic deoxycytidine kinase and mitochondrial deoxyguanosine kinase. The protein 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.,DGUOK,MTDPS3,NCPH,PEOB4,dGK,Signal Transduction,Kinase,DGUOK
Molecular Weight:	9 kDa/17 kDa/21 kDa/27 kDa/29 kDa/32 kDa
Gene ID:	1716
UniProt:	Q16854
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DGUOK antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.