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Datasheet for ABIN2789830

anti-Deoxyguanosine Kinase antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	Deoxyguanosine Kinase (DGUOK)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Deoxyguanosine Kinase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human DGUOK
Sequence:	EQLHGQHEAW LIHKTTKLHF EALMNIPVLV LDVNDDFSEE VTKQEDLMRE
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 79%, Horse: 79%, Human: 100%, Pig: 86%, Rabbit: 86%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against DGUOK. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Deoxyguanosine Kinase (DGUOK)
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Target Details

Alternative Name:	DGUOK (DGUOK Products)
Background:	<p>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.</p> <p>Alias Symbols: dGK</p> <p>Protein Interaction Partner: UBC, PXN, LIG4, APP, DGUOK,</p> <p>Protein Size: 277</p>
Molecular Weight:	28 kDa
Gene ID:	1716
NCBI Accession:	NM_080916 , NP_550438
UniProt:	Q16854
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 277 AA
Restrictions:	For Research Use only

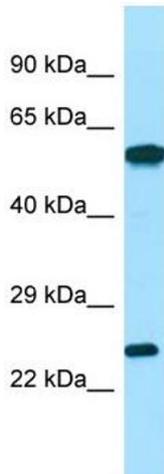
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. 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