

For Research Use Only

# DCK Polyclonal antibody

Catalog Number: 17758-1-AP

Featured Product

9 Publications



## Basic Information

Catalog Number:

17758-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12123

GenBank Accession Number:

BC103764

GeneID (NCBI):

1633

UNIPROT ID:

P27707

Full Name:

deoxycytidine kinase

Calculated MW:

260 aa, 31 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: HEK-293T cells, HeLa cells, Jurkat cells, MCF-7 cells, HepG2 cells

## Background Information

Deoxycytidine kinase (dCK) is required for the phosphorylation of several deoxyribonucleoside analogues that are widely employed as chemotherapeutic agents (PMID:12628850). It is also a key enzyme in the phosphorylation of a variety of antineoplastic and antiviral nucleoside analogs including cytosine arabinoside (araC) and dideoxycytidine (ddCyd); deficiency of deoxycytidine kinase activity mediates resistance to these drugs (PMID:1996353). This protein can exist as a homodimer (PMID:16421443).

## Notable Publications

Author	Pubmed ID	Journal	Application
Donghua Geng	35837166	J Gastrointest Oncol	WB
Yaoyi Xiong	33452459	Oncogene	WB
Nao Yoshida-Sakai	34913485	Int J Cancer	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

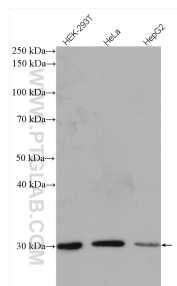
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17758-1-AP (DCK antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.