

For Research Use Only

DCK Polyclonal antibody

Catalog Number: 17758-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

17758-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12123

GenBank Accession Number:

BC103764

GeneID (NCBI):

1633

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
Yaoyi Xiong	33452459	Oncogene	WB
Nao Yoshida-Sakai	34913485	Int J Cancer	WB
Irene Dell'Anno	33300108	Invest New Drugs	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

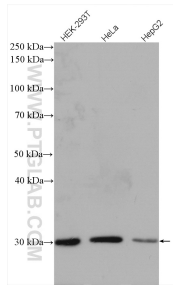
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.