

For Research Use Only

DCK Polyclonal antibody

Catalog Number: 17758-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 17758-1-AP	GenBank Accession Number: BC103764	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1633	Recommended Dilutions: WB 1:1000-1:3000
Source: Rabbit	Full Name: deoxycytidine kinase	
Isotype: IgG	Calculated MW: 260 aa, 31 kDa	
Immunogen Catalog Number: AG12123	Observed MW: 30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, HeLa cells, Jurkat cells, MCF-7 cells, HepG2 cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

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

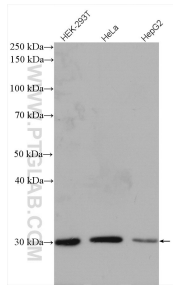
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
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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.