

For Research Use Only

DCTPP1 Polyclonal antibody

Catalog Number: 16684-1-AP

1 Publications



Basic Information

Catalog Number: 16684-1-AP	GenBank Accession Number: BC001344	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 800 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79077	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: Q9H773	IHC 1:250-1:1000
Isotype: IgG	Full Name: dCTP pyrophosphatase 1	IF/ICC 1:20-1:200
Immunogen Catalog Number: AG10015	Calculated MW: 19 kDa	
	Observed MW: 19 kDa, 40 kDa, 80 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : HeLa cells, mouse heart tissue, Transfected HEK-293 cells
Species Specificity: human, mouse, rat	IHC : human lung cancer tissue,
Cited Species: human	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

DCTPP1, also named as XTP3TPA, CDAO3 and RS21C6, is a hydrolyzes deoxynucleoside triphosphates (dNTPs) to the corresponding nucleoside monophosphates. It has a central role in the balance of dCTP and the metabolism of deoxycytidine analogues, thus contributing to the preservation of genome integrity. DCTPP1 has some forms such as monomer (~20 kDa), Dimer (~40 kDa) and Homotetramer (~80 kDa).

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Wang	38686496	J Cell Mol Med	WB,IHC

Storage

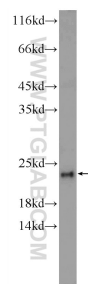
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

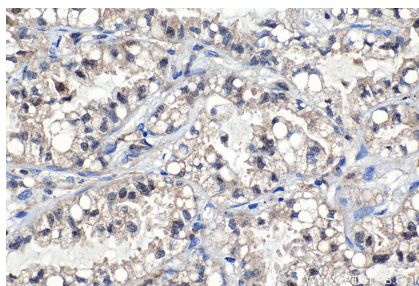
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

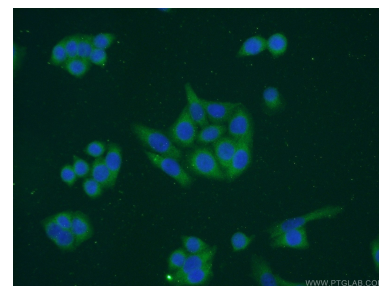
Selected Validation Data



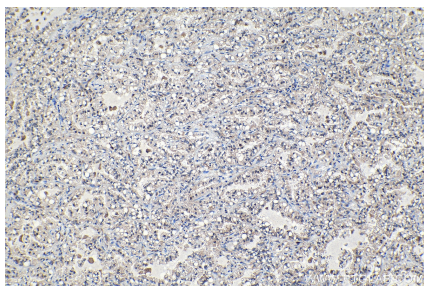
HeLa cells were subjected to SDS PAGE followed by western blot with 16684-1-AP (DCTPP1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 16684-1-AP (DCTPP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 16684-1-AP (DCTPP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 16684-1-AP (DCTPP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).