

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 IHC 1:250-1:1000 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9H773	
Isotype: IgG	Full Name: dCTP pyrophosphatase 1	
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: WB : HeLa cells, mouse heart tissue, Transfected HEK-293 cells IHC : human lung cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

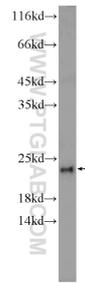
For technical support and original validation data for this product please contact:

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

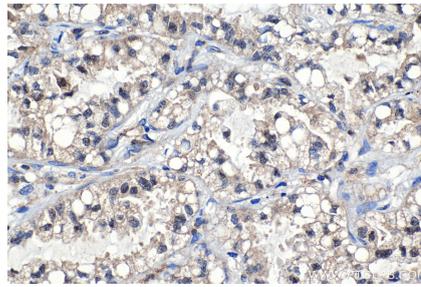
E: proteintech@ptglab.com
W: ptglab.com

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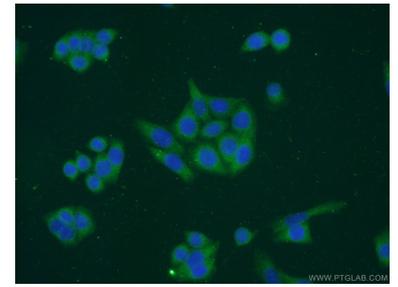
Selected Validation Data



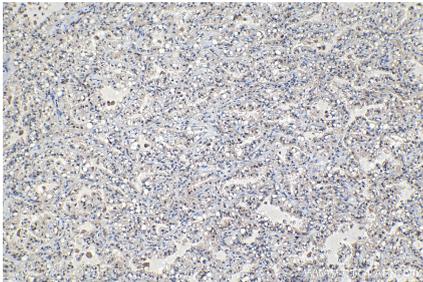
HeLa cells were subjected to SDS PAGE followed by western blot with 16684-1-AP (DCTPP1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).