

For Research Use Only

# DCTD Polyclonal antibody

Catalog Number: 16784-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 16784-1-AP	<b>GenBank Accession Number:</b> BC001286	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1635	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> dCMP deaminase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 178 aa, 20 kDa	
<b>Immunogen Catalog Number:</b> AG10216	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue, PC-3 cells IF : HepG2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

DCTD(Deoxycytidylate deaminase) is also named as dCMP deaminase and belongs to the cytidine and deoxycytidylate deaminase family. It catalyzes the deamination of dCMP to dUMP, thus providing the nucleotide substrate for thymidylate synthase. Control of deaminase activity at this juncture in deoxyribonucleotide metabolism is determined by the ratio of dCTP to dTTP in the cell, since the enzyme is allosterically activated by dCTP and inhibited by dTTP(PMID:7685356). It has 2 isoforms produced by alternative splicing and can exist as a dimer(pMID:8798492).

## Notable Publications

Author	Pubmed ID	Journal	Application
Nao Yoshida-Sakai	34913485	Int J Cancer	WB

## Storage

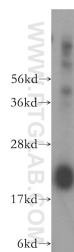
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

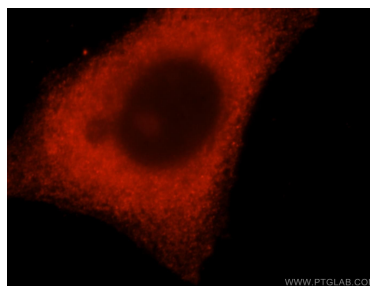
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16784-1-AP (DCTD antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using DCTD antibody 16784-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).