

For Research Use Only

DCTD Monoclonal antibody, PBS Only



Catalog Number: 68357-1-PBS

Basic Information

Catalog Number:

68357-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10245

GenBank Accession Number:

BC001286

GeneID (NCBI):

1635

UNIPROT ID:

P32321

Full Name:

dCMP deaminase

Calculated MW:

178 aa, 20 kDa

Observed MW:

18-20 kDa

Purification Method:

Protein G purification

CloneNo.:

3D2G12

Applications

Tested Applications:

WB, IF, Indirect ELISA

Species Specificity:

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

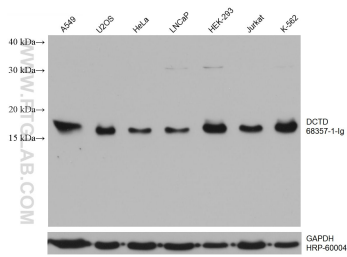
For technical support and original validation data for this product please contact:

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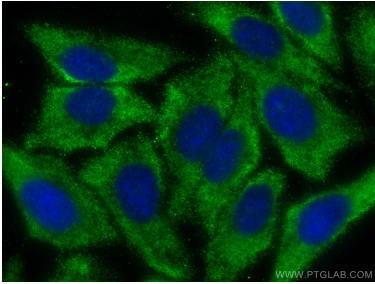
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68357-1-Ig (DCTD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68357-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DCTD antibody (68357-1-Ig, Clone: 3D2G12) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68357-1-PBS in a different storage buffer formulation.