

# DCP1B Polyclonal antibody

Catalog Number: 13863-1-AP

1 Publications

## Basic Information

## Catalog Number:

13863-1-AP

## Size:

700 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4845

## GenBank Accession Number:

BC043437

## GeneID (NCBI):

196513

## UNIPROT ID:

Q8IZD4

## Full Name:

DCP1 decapping enzyme homolog B  
(S. cerevisiae)

## Calculated MW:

618 aa, 68 kDa

## Observed MW:

68 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

IF

## Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Positive Controls:

WB: mouse liver tissue, HeLa cells, human liver tissue,  
Jurkat cells, rat liver tissue, rat spleen tissue

IP: HeLa cells,

IHC: human liver cancer tissue,

IF/ICC: HeLa cells, A549 cells

## Background Information

DCP1B belongs to DCP1 family. DCP1B may play a role in the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. It may remove the 7-methyl guanine cap structure mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. DCP1B has 2 isoforms with the molecular mass of 56 and 68 kDa. DCP1B is associated with DM-related atherogenesis (PMID:33195466).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangchao Dong	25872476	Int J Mol Med	IF

## 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

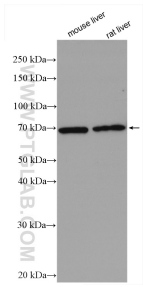
For technical support and original validation data for this product please contact:

T: 4006900926

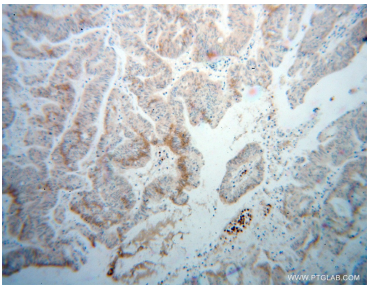
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

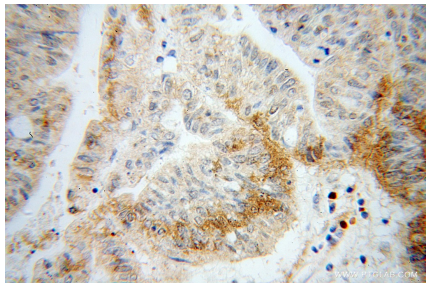
Selected Validation Data



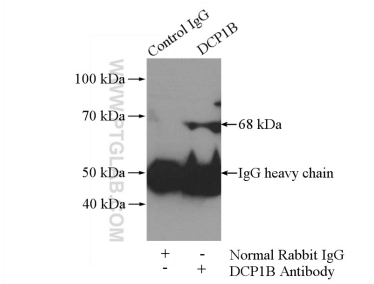
Various lysates were subjected to SDS PAGE followed by western blot with 13863-1-AP (DCP1B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



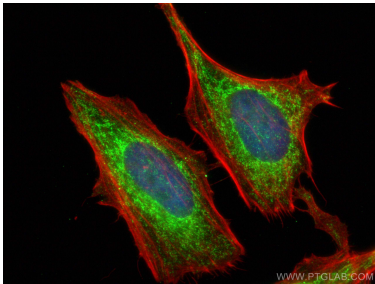
Immunohistochemical analysis of paraffin-embedded human liver cancer using 13863-1-AP (DCP1B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 13863-1-AP (DCP1B antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-DCP1B (IP:13863-1-AP, 4ug; Detection:13863-1-AP 1:500) with HeLa cells lysate 1520ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DCP1B antibody (13863-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).