

For Research Use Only

# DLAT Monoclonal antibody

Catalog Number: 68303-1-Ig

Featured Product

5 Publications



## Basic Information

Catalog Number:

68303-1-Ig

Concentration:

500 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG4226

GenBank Accession Number:

BC039084

GeneID (NCBI):

1737

UNIPROT ID:

P10515

Full Name:

dihydrolipoamide S-acetyltransferase

Calculated MW:

647 aa, 70 kDa

Observed MW:

69-70 kDa

Purification Method:

Protein A purification

CloneNo.:

1F2B9

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**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** : HCT 116 cells, HAP1 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, rat brain tissue, mouse brain tissue

**IHC** : human liver cancer tissue, mouse kidney tissue

**IF/ICC** : HepG2 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Ma	39676407	Small	WB
Li Chen	39528670	Sci Rep	WB,IHC
Xiang Ma	39428563	CNS Neurosci Ther	WB,IHC,ColP

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

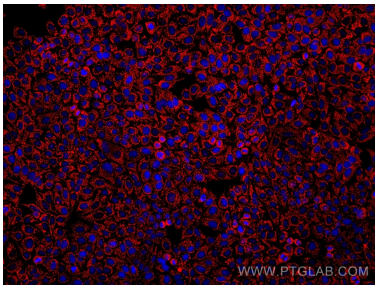
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

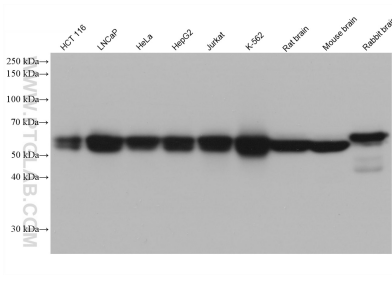
W: [ptgcn.com](http://ptgcn.com)

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

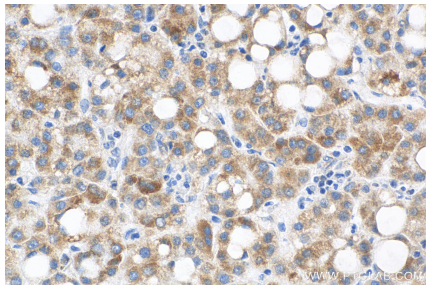
Selected Validation Data



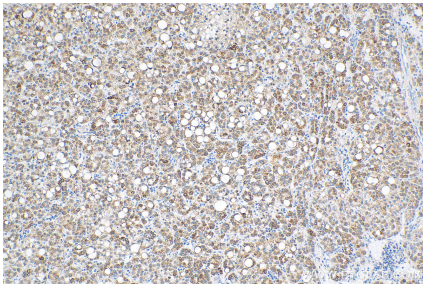
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DLAT antibody (68303-1-Ig, Clone: 1F2B9) at dilution of 1:500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



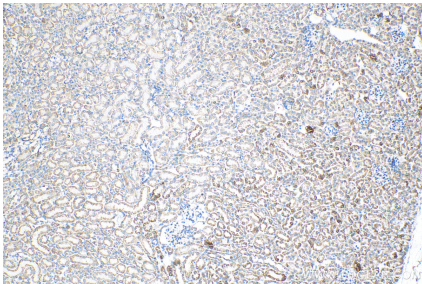
Various lysates were subjected to SDS PAGE followed by western blot with 68303-1-Ig (DLAT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



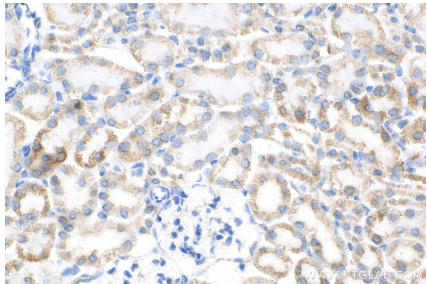
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



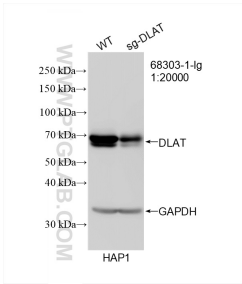
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



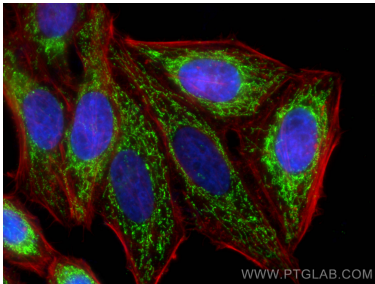
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of DLAT antibody (68303-1-Ig; 1:20000; room temperature for 1.5 hours) with wild-type and sg-DLAT transfected HAP1 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DLAT antibody (68303-1-Ig, Clone: 1F2B9) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).