

For Research Use Only

# DLAT Monoclonal antibody

Catalog Number: 68303-1-Ig

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 68303-1-Ig	<b>GenBank Accession Number:</b> BC039084	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1737	<b>CloneNo.:</b> 1F2B9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P10515	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> dihydrolipoamide S-acetyltransferase	
<b>Immunogen Catalog Number:</b> AG4226	<b>Calculated MW:</b> 647 aa, 70 kDa	
	<b>Observed MW:</b> 69-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>  <b>WB :</b> HCT 116 cells, HAP1 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, rat brain tissue, mouse brain tissue <b>IHC :</b> human liver cancer tissue, mouse kidney tissue <b>IF/ICC :</b> HepG2 cells,
<b>Cited Applications:</b> WB, IHC, IF, CoIP	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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,CoIP

## Storage

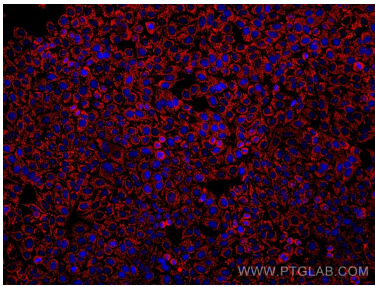
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

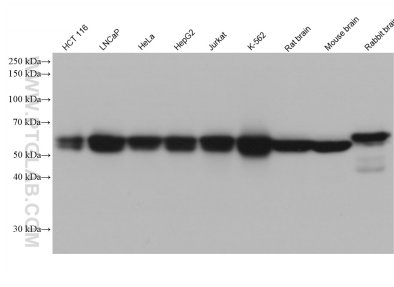
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

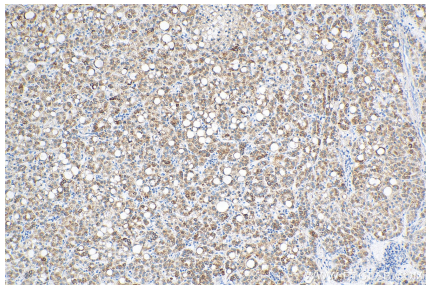
Selected Validation Data



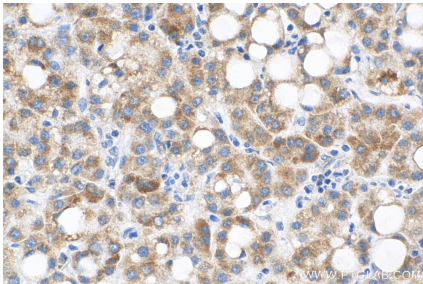
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DLAT antibody (68303-1-Ig, Clone: 1F2B9 ) at dilution of 1:500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004 ).



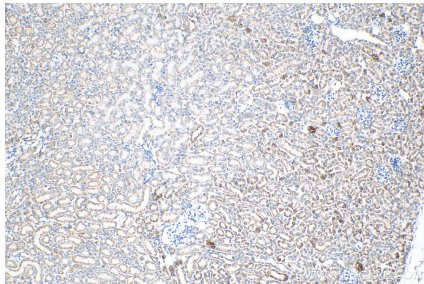
Various lysates were subjected to SDS PAGE followed by western blot with 68303-1-Ig (DLAT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



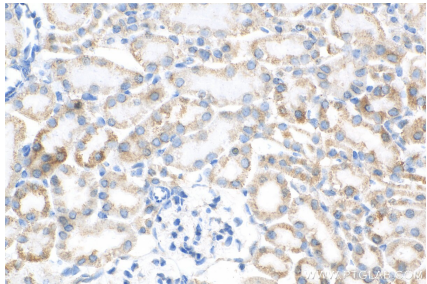
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



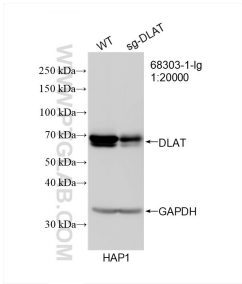
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68303-1-Ig (DLAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).