

For Research Use Only

DLAT Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 83654-3-PBS



Basic Information

Catalog Number:

83654-3-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22831

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.:

240713C12

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Sandwich ELISA, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

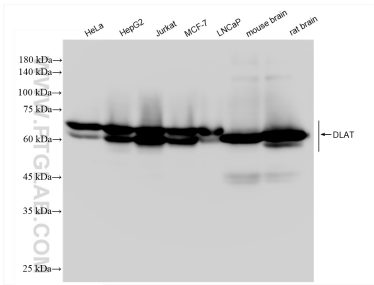
T: 4006900926

E: Proteintech-CN@ptglab.com

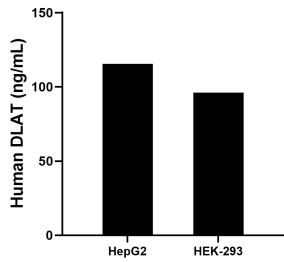
W: ptgcn.com

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

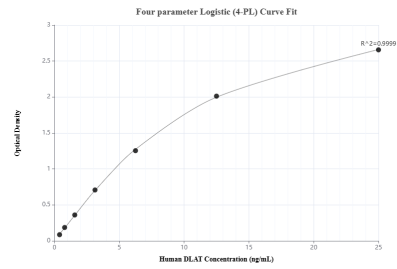
Selected Validation Data



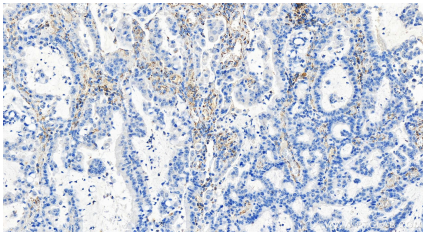
Various lysates were subjected to SDS PAGE followed by western blot with 83654-3-RR (DLAT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83654-3-PBS in a different storage buffer formulation.



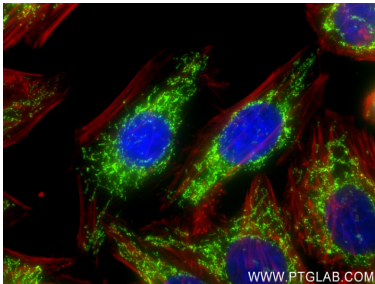
The mean DLAT concentration was determined to be 115.60 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load and 96.07 ng/mL in HEK-293 cell extract based on a 2.3 mg/mL extract load.



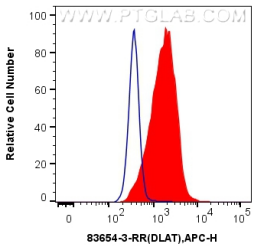
Sandwich ELISA standard curve of MP00635-4, Human DLAT Recombinant Matched Antibody Pair - PBS only. 83654-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag22831. 83654-5-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL



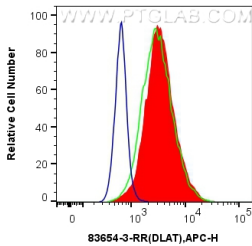
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83654-3-RR (DLAT antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83654-3-PBS in a different storage buffer formulation.



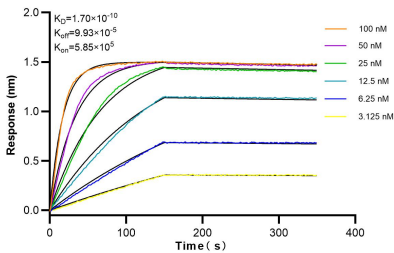
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DLAT antibody (83654-3-RR, Clone: 240713C12) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83654-3-PBS in a different storage buffer formulation.



1×10^6 HepG2 cells were intracellularly stained with 0.25 ug DLAT Recombinant Antibody (83654-3-RR, Clone:240713C12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 83654-3-PBS in a different storage buffer formulation.



1×10^6 HeLa cells were intracellularly stained with 0.25 ug DLAT Recombinant antibody (83654-3-RR, Clone:240713C12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), or 0.25 ug DLAT Recombinant antibody (83654-3-RR, Clone: 240713C12) (green). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone.



Biolayer interferometry (BLI) kinetic assays of 83654-3-RR against Human DLAT were performed. The affinity constant is 0.17 nM.