

For Research Use Only

DLAT Recombinant antibody

Catalog Number:83654-3-RR



Basic Information

Catalog Number: 83654-3-RR	GenBank Accession Number: BC039084	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1737	CloneNo.: 240713C12
Source: Rabbit	UNIPROT ID: P10515	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: dihydrolipoamide S-acetyltransferase	
Immunogen Catalog Number: AG22831	Calculated MW: 647 aa, 70 kDa	
	Observed MW: 69-70 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

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 : HeLa cells, HepG2 cells, Jurkat cells, MCF-7 cells, LNCaP cells, mouse brain tissue, rat brain tissue

IHC : human stomach cancer tissue,

IF/ICC : HepG2 cells,

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

*** 20ul sizes contain 0.1% BSA

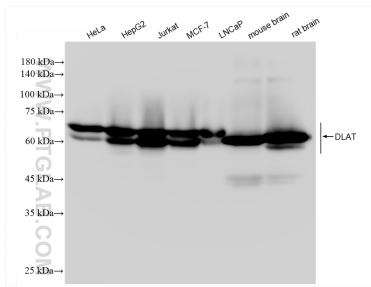
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

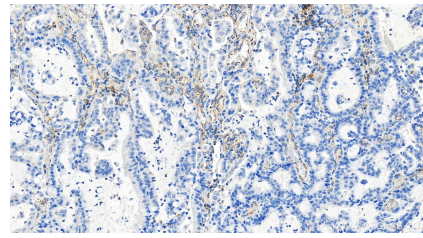
E: proteintech@ptglab.com
W: ptglab.com

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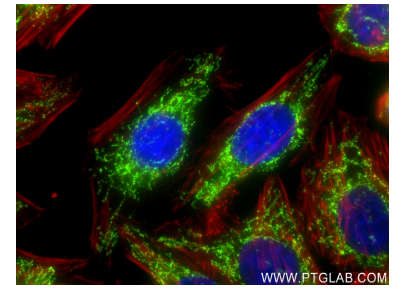
Selected Validation Data



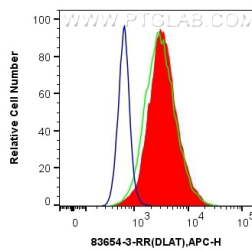
Various lysates were subjected to SDS PAGE followed by western blot with 83654-3-RR (DLAT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



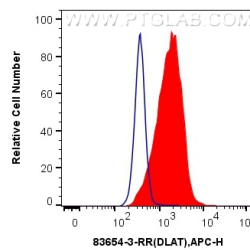
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83654-3-RR (DLAT antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).



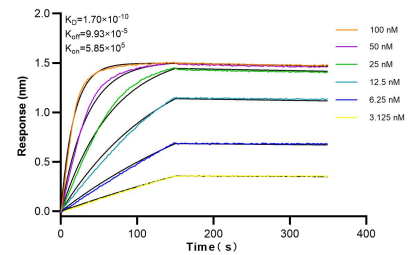
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DLAT antibody (83654-3-RR, Clone: 240713C12) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



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 (PF00011-C).



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 (PF00011-C).



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