

For Research Use Only

DLST Polyclonal antibody

Catalog Number: 31174-1-AP



Basic Information

Catalog Number: 31174-1-AP	GenBank Accession Number: BC001922	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 630 ug/ml by Nanodrop;	GeneID (NCBI): 1743	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:300-1:1200 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: P36957	
Isotype: IgG	Full Name: dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	
Immunogen Catalog Number: AG34753	Calculated MW: 49 kDa	
	Observed MW: 40 kDa, 49 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells IHC : human placenta tissue, IF/ICC : HeLa cells,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

DLST (Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex) is the E2 transferase of α -ketoglutarate dehydrogenase complex (KGDHC) that regulates the irreversible conversion of α -ketoglutarate to succinyl-CoA in the TCA cycle. RNAi knockdown of DLST led to decreased cell viability and induction of apoptosis in human T-ALL cell lines. High DLST expression predicts poor overall and recurrence-free survival among TNBC patients (PMID: 26876595, 34785772). DLST has two isoforms of 40 kDa, 49 kDa.

Storage

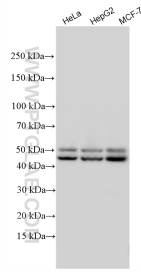
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

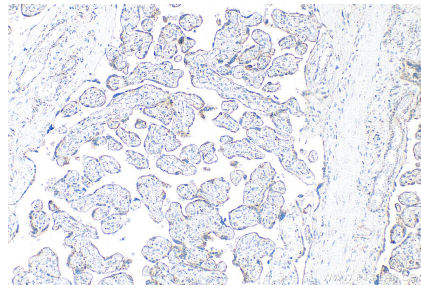
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

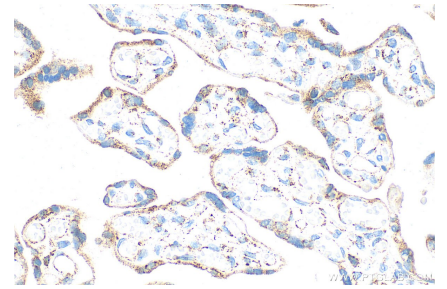
Selected Validation Data



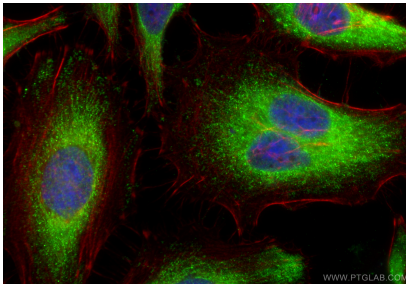
Various lysates were subjected to SDS PAGE followed by western blot with 31174-1-AP (DLST antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 31174-1-AP (DLST antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 31174-1-AP (DLST antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DLST antibody (31174-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).