

For Research Use Only

DLST Polyclonal antibody, PBS Only

Catalog Number: 31174-1-PBS



Basic Information

Catalog Number:

31174-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34753

GenBank Accession Number:

BC001922

GeneID (NCBI):

1743

UNIPROT ID:

P36957

Full Name:

dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)

Calculated MW:

49 kDa

Observed MW:

40 kDa, 49 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

DLST (Dihydrolipoamide 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 -80°C.

Storage Buffer:

PBS only, pH7.3

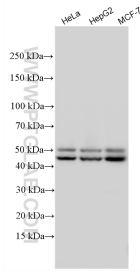
For technical support and original validation data for this product please contact:

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

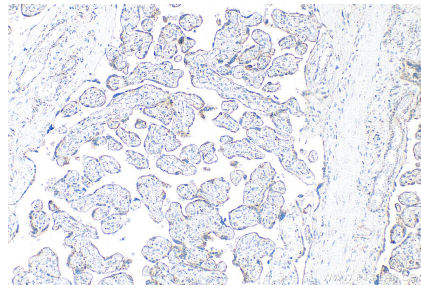
E: proteintech@ptglab.com
W: ptglab.com

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

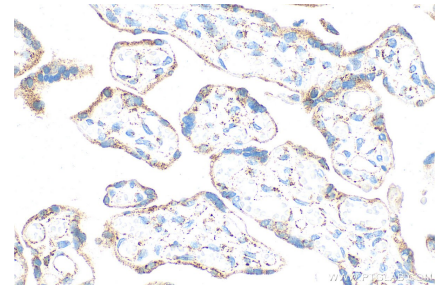
Selected Validation Data



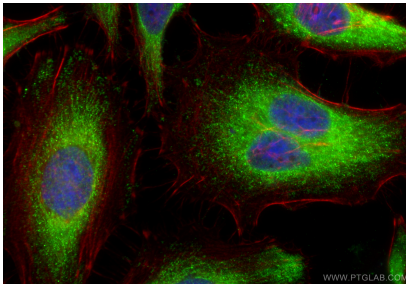
Various lysates were subjected to SDS PAGE followed by western blot with 31174-1-AP (DLST antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31174-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31174-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31174-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31174-1-PBS in a different storage buffer formulation.