

For Research Use Only

DLST Polyclonal antibody, PBS Only

Catalog Number: 31174-1-PBS



Basic Information

Catalog Number:

31174-1-PBS

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 .

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:

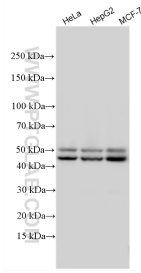
T: 4006900926

E: Proteintech-CN@ptglab.com

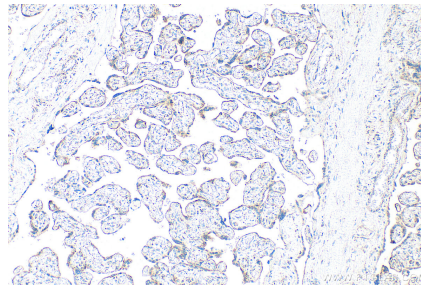
W: ptgcn.com

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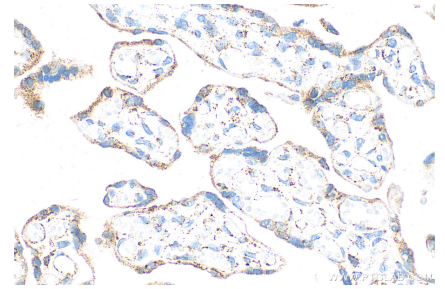
Selected Validation Data



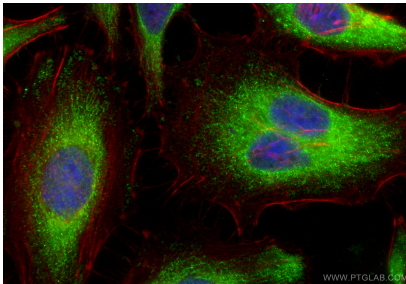
Various lysates were subjected to SDS PAGE followed by western blot with 31174-1-AP (DLST antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31174-1-PBS in a different storage buffer formulation.



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.