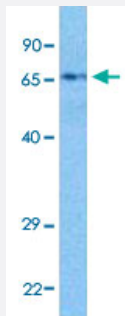


# DLAT polyclonal antibody

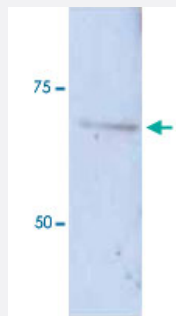
Catalog # PAB30033      Size 100 uL

## Applications



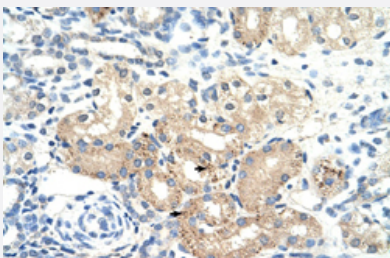
### Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with DLAT polyclonal antibody (Cat # PAB30033) at 1 ug/mL working concentration.



### Western Blot (Cell lysate)

Western Blot analysis of Huh7 cell lysate with DLAT polyclonal antibody (Cat # PAB30033) at 1:200 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with DLAT polyclonal antibody (Cat # PAB30033) at 4-8 ug/mL working concentration.

## Specification

### Product Description

Rabbit polyclonal antibody raised against synthetic peptide of human DLAT.

### Immunogen

A synthetic peptide corresponding to N-terminus of human DLAT.

|                      |                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence             | WTPSSGATPRNRLLLQLLGSPGRRYYSLPPHQKVPLPSLSPTMQAGTIAR                                                                                                                     |
| Host                 | Rabbit                                                                                                                                                                 |
| Theoretical MW (kDa) | 69                                                                                                                                                                     |
| Reactivity           | Human                                                                                                                                                                  |
| Form                 | Liquid                                                                                                                                                                 |
| Purification         | Protein A purification                                                                                                                                                 |
| Recommend Usage      | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL)<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In PBS (2% sucrose, 0.09% sodium azide).                                                                                                                               |
| Storage Instruction  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                 |
| Note                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                 |

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with DLAT polyclonal antibody (Cat # PAB30033) at 1 ug/mL working concentration.

- Western Blot (Cell lysate)

Western Blot analysis of Huh7 cell lysate with DLAT polyclonal antibody (Cat # PAB30033) at 1:200 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with DLAT polyclonal antibody (Cat # PAB30033) at 4-8 ug/mL working concentration.

## Gene Info — DLAT

|                     |                                  |
|---------------------|----------------------------------|
| Entrez GeneID       | <a href="#">1737</a>             |
| GeneBank Accession# | <a href="#">NM_001931</a>        |
| Protein Accession#  | <a href="#">NP_001922:P10515</a> |
| Gene Name           | DLAT                             |

|                    |                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | DLTA, PDC-E2, PDCE2                                                                                                                                                                                                                                                                                    |
| Gene Description   | dihydrolipoamide S-acetyltransferase                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">608770</a>                                                                                                                                                                                                                                                                                 |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                              |
| Gene Summary       | The DLAT gene encodes dihydrolipoamide acetyltransferase (EC 2.3.1.12), the E2 subunit of the mammalian pyruvate dehydrogenase complex (PDC; EC 1.2.4.1) of the inner mitochondrial membrane. Patients with primary biliary cirrhosis (PBC; MIM 109720) show autoantibodies to DLAT.[s applied by OMIM |
| Other Designations | 70 kDa mitochondrial autoantigen of primary biliary cirrhosis E2 component of pyruvate dehydrogenase complex M2 antigen complex 70 kDa subunit                                                                                                                                                         |

## Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pyruvate metabolism](#)

## Disease

- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Fetal Membranes](#)

- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)