

## Rabbit PDC-E2 Polyclonal Antibody | anti-DLAT antibody

Anti-PDC-E2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA262349 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Western Blot |

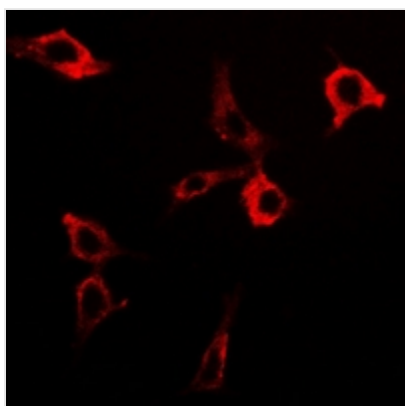
### PRODUCT SYNONYMS

PDC-E2; Polyclonal Antibody; Anti-PDC-E2 Antibody; DLTA; Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex; mitochondrial; 70 kDa mitochondrial autoantigen of primary biliary cirrhosis; PBC; Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex; M2 antigen complex 70 kDa subunit; Pyruvate dehydrogenase complex component E2; PDCE2; anti-DLAT antibody

### PRODUCT SPECIFICATIONS

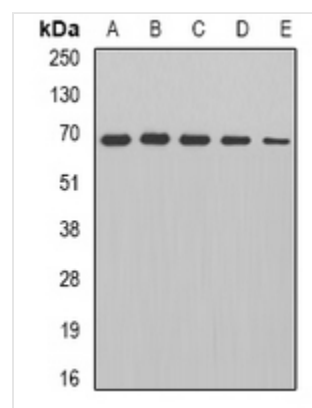
|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human, Mouse, Rat                                                                                              |
| Clonality                                      | Polyclonal                                                                                                     |
| Specificity                                    | Recognizes endogenous levels of PDC-E2 protein.                                                                |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.      |
| Sequence Length                                | 647                                                                                                            |
| Applicable Applications for anti-DLAT antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                      | Recombinant full length protein of human PDC-E2                                                                |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of PDC-E2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of PDC-E2 expression in HepG2 (A), Jurkat (B), mouse heart (C), rat brain (D), rat kidney (E) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                                      |
|----------------------------------------------------|--------------------------------------|
| Related Product Information for anti-DLAT antibody | Rabbit polyclonal antibody to PDC-E2 |
|----------------------------------------------------|--------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 31711992                                                                                                 |
| NCBI GeneID                      | 1737                                                                                                     |
| NCBI Accession #                 | NP_001922.2                                                                                              |
| NCBI GenBank Nucleotide #        | NM_001931.4                                                                                              |
| UniProt Accession #              | P10515; Q16783; Q53EP3                                                                                   |
| Molecular Weight                 | 68,997 Da                                                                                                |
| NCBI Official Full Name          | dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial |
| NCBI Official Synonym Full Names | dihydrolipoamide S-acetyltransferase                                                                     |
| NCBI Official Symbol             | DLAT                                                                                                     |
| NCBI Official Synonym Symbols    | DLTA; PDCE2; PDC-E2                                                                                      |
| NCBI Protein Information         | dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial |
| UniProt Protein Name             | Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial |
| UniProt Gene Name                | DLAT                                                                                                     |
| UniProt Synonym Gene Names       | DLTA; PBC; PDC-E2; PDCE2                                                                                 |
| UniProt Entry Name               | ODP2_HUMAN                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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