

KD-Validated Anti-DLAT Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2363

Product Information

Application	WB, FC, ICC
Primary Accession	P10515
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB805
Calculated MW	68997
Gene Name	DLAT
Aliases	DLAT; Dihydrolipoamide S-Acetyltransferase; PDC-E2; DLTA; E2; Dihydrolipoyllysine-Residue Acetyltransferase Component Of Pyruvate; Dehydrogenase Complex, Mitochondrial; Dihydrolipoamide Acetyltransferase Component Of Pyruvate Dehydrogenase Complex; 70 KDa Mitochondrial Autoantigen Of Primary Biliary Cirrhosis; E2 Component Of Pyruvate Dehydrogenase Complex; Pyruvate Dehydrogenase Complex Component E2; M2 Antigen Complex 70 KDa Subunit; EC 2.3.1.12; PDCE2; PBC; Dihydrolipoyllysine-Residue Acetyltransferase; EC 2.3.1
Immunogen	A synthesized peptide derived from human DLAT

Additional Information

Gene ID	1737
Other Names	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial, 2.3.1.12, 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, PDC-E2, PDCE2, DLAT (HGNC:2896), DLTA

Protein Information

Name	DLAT (HGNC:2896)
Synonyms	DLTA
Function	The pyruvate dehydrogenase (PDH) complex, catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links cytoplasmic glycolysis and the mitochondrial tricarboxylic acid (TCA) cycle (Probable). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and dihydrolipoamide dehydrogenase (E3); (Probable). Within this complex, the catalytic function of this enzyme is to accept, and to transfer to coenzyme A,

acetyl groups from acetyl- lipoyl moiety generated by the pyruvate dehydrogenase, leading to acetyl-CoA formation (Probable).

Cellular Location

Mitochondrion matrix {ECO:0000250 | UniProtKB:P08461}

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