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KD-Validated Anti-Pyruvate Dehydrogenase E2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1623

Product Information

Application	WB, FC, ICC
Primary Accession	P10515
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1010
Calculated MW	68997
Gene Name	DLAT
Aliases	DLAT; Dihydrolipoamide S-Acetyltransferase; PBC;DLTA; PDC-E2; PDCE2; M2 Antigen Complex 70 KDa Subunit; E2 Component Of Pyruvate Dehydrogenase Complex; EC 2.3.1.12; Dihydrolipoamide Acetyltransferase Component Of Pyruvate Dehydrogenase Complex; Dihydrolipoyllysine-Residue Acetyltransferase Component Of Pyruvate Dehydrogenase Complex Mitochondrial; Pyruvate Dehydrogenase Complex Component E2; 70 KDa Mitochondrial Autoantigen Of Primary Biliary Cirrhosis; EC 2.3.1
Immunogen	A synthesized peptide derived from human Pyruvate Dehydrogenase E2

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}