

Product datasheet for **TA346312**

Pyruvate Dehydrogenase E2 (DLAT) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DLAT antibody: synthetic peptide directed towards the C terminal of human DLAT. Synthetic peptide located within the following region: DVVSLATKAREGKLPHEFQGGTFTISNLGMFGIKNFSAIINPPQACILA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	dihydrolipoamide S-acetyltransferase
Database Link:	NP_001922 Entrez Gene 1737 Human P10515



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Background: DLAT is dihydrolipoamide acetyltransferase, the E2 subunit of the mammalian pyruvate dehydrogenase complex of the inner mitochondrial membrane. Patients with primary biliary cirrhosis show autoantibodies to DLAT. 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. [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-2696 AK057299.1 1-2696 2697-3933 BC039084.1 2066-3302 3934-4322 DB551427.1 98-486

Synonyms: DLTA; PDC-E2; PDCE2

Note: Immunogen Sequence Homology: Caenorhabditis briggsae:100%; Human:100%; Mouse:100%; Green puffer:100%; Caenorhabditis elegans:100%; Golden hamster:100%; Rat:100%; Caenorhabditis vulgaris:100%; Dog:100%; Chicken:100%; Pig:92%; Sphingomonas aromaticivorans:9

Protein Families: Druggable Genome

Protein Pathways: Citrate cycle (TCA cycle), Glycolysis / Gluconeogenesis, Metabolic pathways, Pyruvate metabolism

Product images:



WB Suggested Anti-DLAT Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: HepG2 cell lysate. DLAT is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells