

Datasheet for ABIN2777102
anti-DLAT antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	DLAT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLAT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human DLAT
Sequence:	DVVS�ATKAR EGKLQPHEFQ GGTFTISNLG MFGIKNFSAI INPPQACILA
Predicted Reactivity:	Dog: 100%, Human: 100%, Mouse: 100%, Pig: 92%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against DLAT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DLAT
Alternative Name:	DLAT (DLAT Products)

Target Details

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

Alias Symbols: DLTA, PDC-E2, PDCE2

Protein Interaction Partner: MDM2, UBC, ADRB2, PRKD3, PDHX, MGMT1, MRPL1, ACAD9, SYNCRIP, PDHA2, PDHA1, OGDH, NDUFS4, HSPA1L, DLD, COX5B, COPS5, CUL1, SIRT7, TSG101, KIAA0101, PSMA3, PDK4, PDK3, PDK2, PDK1, PDHB,

Protein Size: 647

Molecular Weight:	69 kDa
Gene ID:	1737
NCBI Accession:	NM_001931 , NP_001922
UniProt:	Q86Y15

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 647 AA
Restrictions:	For Research Use only

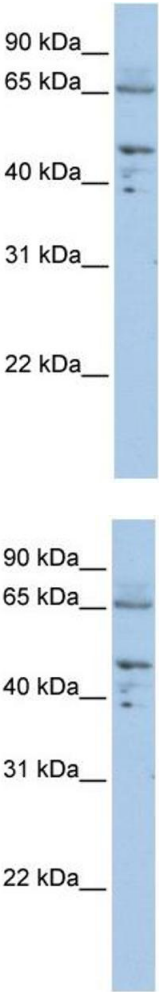
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. 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

Western Blotting

Image 2. WB Suggested Anti-DLAT Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500 Positive Control: HepG2 cell lysate DLAT is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells