

Rabbit anti-Human DLAT Polyclonal Antibody | anti-DLAT antibody

DLAT Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285852	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

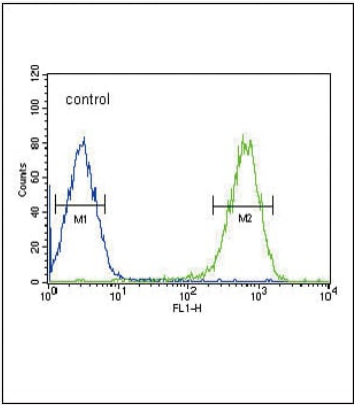
PRODUCT SYNONYMS

DLAT; Polyclonal Antibody; DLAT Antibody (C-term); 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; PDC-E2; PDCE2; DLTA; anti-DLAT antibody

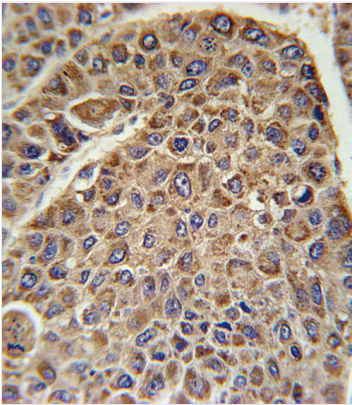
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DLAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 579-607 amino acids from the C-terminal region of human DLAT.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	579-607
Sequence Length	647
Applicable Applications for anti-DLAT antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

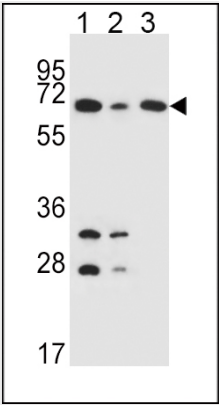
IMAGES



FCM/FACS (Flow Cytometry)
DLAT Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
DLAT Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DLAT Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
DLAT Antibody (C-term) western blot analysis in K562(lane 1),HepG2(lane 2),Jurkat(lane 3) cell line lysates (35ug/lane).This demonstrates the DLAT antibody detected the DLAT protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DLAT antibody	DLAT encodes component E2 of the multi-enzyme pyruvate dehydrogenase complex (PDC). PDC resides in the inner mitochondrial membrane and catalyzes the conversion of pyruvate to acetyl coenzyme A. The protein product of this gene, dihydrolipoamide acetyltransferase, accepts acetyl groups formed by the oxidative decarboxylation of pyruvate and transfers them to coenzyme A. Dihydrolipoamide acetyltransferase is the antigen for antimitochondrial antibodies. These autoantibodies are present in nearly 95% of patients with the autoimmune liver disease primary biliary cirrhosis (PBC). In PBC, activated T lymphocytes attack and destroy epithelial cells in the bile duct where this protein is abnormally distributed and overexpressed. PBC enventually leads to cirrhosis and liver failure.
Product Categories/Family for anti-DLAT antibody	Cancer; Metabolism; Signal Transduction
References	Trynka, G., et al. Gut 58(8):1078-1083(2009) Lleo, A., et al. Hepatology 49(3):871-879(2009) Korotchkina, L.G., et al. FEBS Lett. 582(3):468-472(2008)

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	68997
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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Online datasheet: <https://www.aaabiotech.com/polyclonal/dlat-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285852>