

Mouse anti-Human, Mouse Pyruvate Dehydrogenase E2 Monoclonal Antibody | anti-DLAT antibody

Pyruvate Dehydrogenase E2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320350	Mouse	Human, Mouse	Immunoprecipitation, Immunocytochemistry, Western Blot

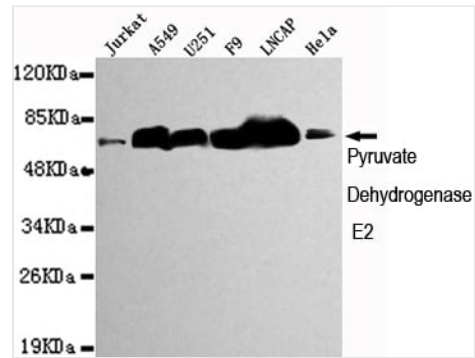
PRODUCT SYNONYMS

Pyruvate Dehydrogenase E2; Monoclonal Antibody; Pyruvate Dehydrogenase E2 Mouse mAb; 70 kDa mitochondrial autoantigen of primary biliary cirrhosis; anti DLAT; Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex; Dihydrolipoamide; Dihydrolipoamide S Acetyltransferase; Dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex); Dihydrolipoamide S-Acetyltransferase; Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex; dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex mitochondrial; DLAT; DLTA; E2; E2 component of pyruvate dehydrogenase complex; EC 2.3.1.12; M2 antigen complex 70 kDa subunit; M2 Antigen Complex 70kD Subunit; mitochondrial; ODP2_HUMAN; PBC; PDC E2; PDC-E2; PDCE2; Pyruvate dehydrogenase complex component E2; Pyruvate dehydrogenase complex E2 subunit; S acetyltransferase component of pyruvate dehydrogenase complex.; anti-DLAT antibody

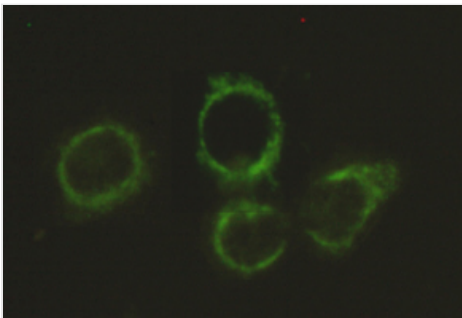
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of Pyruvate Dehydrogenase E2 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DLAT antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Pyruvate Dehydrogenase E2 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

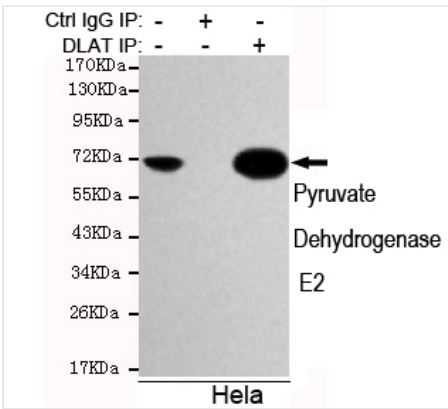
IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry stain of HeLa using Pyruvate Dehydrogenase E2 mouse mAb (1:300).



WB (Western Blot)
Western blot detection of Pyruvate Dehydrogenase E2 in Jurkat.A549.U251.F9.Lncap and HeLa cell lysates using Pyruvate Dehydrogenase E2 mouse mAb (1:1000 diluted).Predicted band size:69KDa.Observed band size:69KDa.



IP (Immunoprecipitation)
Immunoprecipitation analysis of HeLa cell lysates using Pyruvate Dehydrogenase E2 mouse mAb.

ADDITIONAL INFORMATION

Related Product Information for anti-DLAT antibody	This gene 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 eventually leads to cirrhosis and liver failure. Mutations in this gene are also a cause of pyruvate dehydrogenase E2 deficiency which causes primary lact
Product Categories/Family for anti-DLAT antibody	Primary Antibodies

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	68,997 Da

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; 70 kDa mitochondrial autoantigen of primary biliary cirrhosis; E2 component of pyruvate dehydrogenase complex; M2 antigen complex 70 kDa subunit; PBC
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/pyruvate-dehydrogenase-e2-antibody-immunoprecipitation-immunocytochemistry-western-blot-elisa/320350>