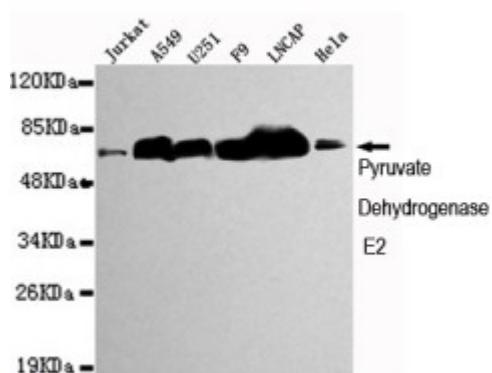




Anti-Pyruvate Dehydrogenase E2 antibody



Description	Mouse monoclonal to Pyruvate Dehydrogenase E2.
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Model	STJ99150
Host	Mouse
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Purified recombinant human Pyruvate Dehydrogenase E2 protein fragments expressed in E.coli.
Gene ID	1737
Gene Symbol	DLAT
Dilution range	WB 1:500-2000 ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of Pyruvate Dehydrogenase E2 and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	4A4-B6-C10
Note	For Research Use Only (RUO).
Protein Name	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial 70 kDa mitochondrial autoantigen of primary biliary cirrhosis PBC Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase
Molecular Weight	69kDa

Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2896 OMIM:245348
Alternative Names	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial 70 kDa mitochondrial autoantigen of primary biliary cirrhosis PBC Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase
Function	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO ₂ , and thereby links the glycolytic pathway to the tricarboxylic cycle.
Cellular Localization	Mitochondrion matrix.
Post-translational Modifications	Delipoylated at Lys-132 and Lys-259 by SIRT4, delipoylation decreases the PHD complex activity.

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