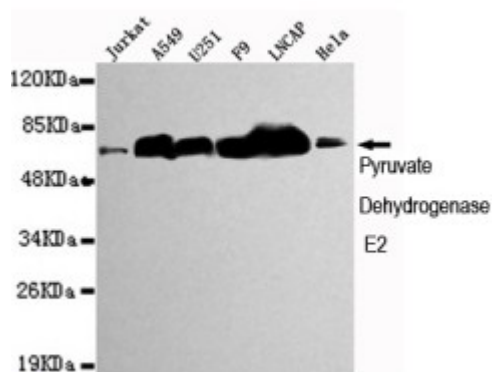


## Anti-Pyruvate Dehydrogenase E2 antibody



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

<b>Clonality</b>	Monoclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:2896OMIM:245348</a>
<b>Alternative Names</b>	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial 70 kDa mitochondrial autoantigen of primary biliary cirrhosis PBC Dihydrolipoamide acetyltransferase component of pyruvate dehydroge
<b>Function</b>	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.
<b>Cellular Localization</b>	Mitochondrion matrix.
<b>Post-translational Modifications</b>	Delipoylated at Lys-132 and Lys-259 by SIRT4, delipoylation decreases the PHD complex activity.

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