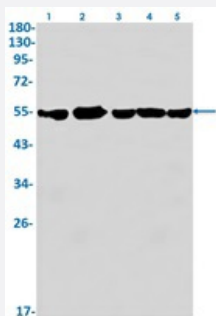


RecomAb™

# DLD recombinant monoclonal antibody, clone R05-6D3

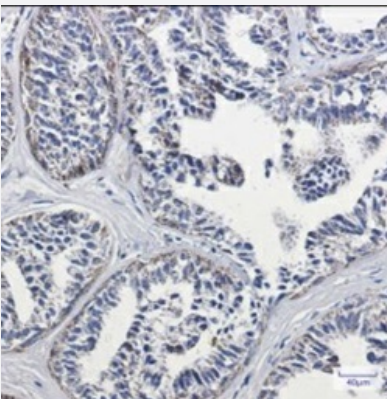
Catalog # RAB01721      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Lipoamide Dehydrogenase in K562, rat Brain, C6, 3T3, Hela lysates using human Lipoamide Dehydrogenase recombinant monoclonal antibody, clone R05-6D3 (Cat # RAB01721).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with Lipoamide Dehydrogenase recombinant monoclonal antibody, clone R05-6D3 (Cat # RAB01721). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Lipoamide Dehydrogenase.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human Lipoamide Dehydrogenase
<b>Theoretical MW (kDa)</b>	Calculated MW: 54 kD

Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Lipoamide Dehydrogenase in K562, rat Brain, C6, 3T3, HeLa lysates using human Lipoamide Dehydrogenase recombinant monoclonal antibody, clone R05-6D3 (Cat # RAB01721).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with Lipoamide Dehydrogenase recombinant monoclonal antibody, clone R05-6D3 (Cat # RAB01721). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

## Gene Info — DLD

Entrez GeneID	<a href="#">1738</a>
Protein Accession#	<a href="#">P09622</a>
Gene Name	DLD

Gene Alias	DLDH, E3, GCSL, LAD, PHE3
Gene Description	dihydrolipoamide dehydrogenase
Omim ID	<a href="#">238331</a> <a href="#">248600</a> <a href="#">256000</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes the L protein of the mitochondrial glycine cleavage system. The L protein, also named dihydrolipoamide dehydrogenase, is also a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acid dehydrogenase complex. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. [provided by RefSeq]
Other Designations	E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex diaphorase dihydrolipoyl dehydrogenase glycine cleavage system protein L lipoamide dehydrogenase lipoamide reductase lipoyl dehydrogenase

## Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycine](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pyruvate metabolism](#)
- [Valine](#)

## Disease

- [Alzheimer disease](#)