Mouse DLD Monoclonal Antibody | anti-DLD antibody

DLD antibody

CATALOG #	HOST	APPLICATIONS
AAA106364	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

DLD; Monoclonal Antibody; DLD antibody; Monoclonal DLD; Anti-DLD; Dihydrolipoamide Dehydrogenase; DLDH; E3; GCSL; LAD; PHE3; anti-DLD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6D5
Purity/Purification	DLD antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	509
Applicable Applications for anti-DLD antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	DLD is 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 acide dehydrogenase complex. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency.
Cross-Reactivity	Human
Immunogen	DLD antibody was raised in mouse using a full length recombinant protein of human DLD (NP_000099) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant DLD protein using DLD antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of DLD protein in paraffin embedded Human endometrium tissue using DLD antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant DLD protein (Right) or empty vector (Left) detected with DLD antibody

ADDITIONAL INFORMATION

Related Product Information for anti-DLD antibody	Mouse monoclonal DLD antibody
Product Categories/Family for anti-DLD antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	91199540
NCBI GeneID	1738
NCBI Accession #	NP_000099
NCBI GenBank Nucleotide #	NM_000108.3
UniProt Accession #	P09622; Q14131; Q14167; Q59EV8; Q8WTS4; B2R5X0; B4DHG0; B4DT69
Molecular Weight	49,283 Da
NCBI Official Full Name	dihydrolipoyl dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	dihydrolipoamide dehydrogenase
NCBI Official Symbol	DLD
NCBI Official Synonym Symbols	E3; LAD; DLDD; DLDH; GCSL; PHE3
NCBI Protein Information	dihydrolipoyl dehydrogenase, mitochondrial
UniProt Protein Name	Dihydrolipoyl dehydrogenase, mitochondrial
UniProt Gene Name	**DLD**
UniProt Synonym Gene Names	GCSL; LAD; PHE3
UniProt Entry Name	DLDH_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://stage.aaabiotech.com/monoclonal/dld-antibody-clone-6d5-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106364