

DLD Polyclonal Antibody | anti-DLD antibody

Anti-DLD Antibody

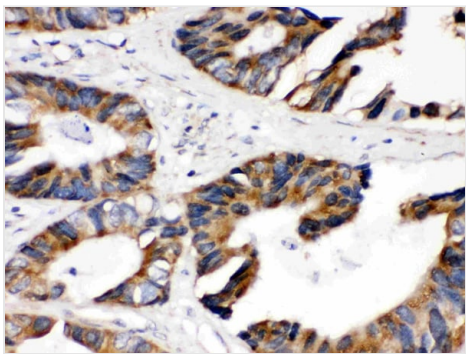
CATALOG #	REACTIVITY	APPLICATIONS
AAA46498	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

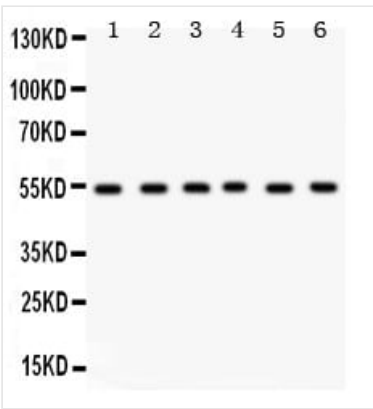
DLD; Polyclonal Antibody; Anti-DLD Antibody; Dihydrolipoyl dehydrogenase; Diaphorase; Dihydrolipoamide dehydrogenase; Dihydrolipoyl dehydrogenase mitochondrial; dld; DLDH; DLDH_HUMAN; E3; E3 component of pyruvate dehydrogenase; E3 component of pyruvate dehydrogenase complex 2 oxo glutarate complex branched chain keto acid dehydrogenase complex; GCSL; Glycine cleavage system L protein; Glycine cleavage system protein L; LAD; lipoamide dehydrogenase; Lipoamide reductase; Lipoyl dehydrogenase; mitochondrial; OTTHUMP00000206744; OTTHUMP00000206746; OTTHUMP00000206748; OTTHUMP00000206749; PHE 3; PHE3; dihydrolipoamide dehydrogenase; anti-DLD antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	509
Applicable Applications for anti-DLD antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human DLD recombinant protein (Position: K300-F509). Human DLD shares 96.2% and 95.7% amino acid (aa) sequence identity with mouse and rat DLD, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti- DLD Picoband antibody, AAA46498, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Anti- DLD Picoband antibody, AAA46498, Western blottingAll lanes: Anti DLD (AAA46498) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: Rat Testis Tissue Lysate at 50ugLane 4: Mouse Ovary Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD

ADDITIONAL INFORMATION

Related Product Information for anti-DLD antibody	Description: Rabbit IgG polyclonal antibody for Dihydrolipoyl dehydrogenase, mitochondrial(DLD) detection. Tested with WB, IHC-P in Human;Mouse; Rat. Background: DLD, Dihydrolipoamide dehydrogenase, is a component of the pyruvate dehydrogenase complex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acid dehydrogenase complex (BCKD). DLD is a flavoprotein enzyme that degrades lipoamide, and produces dihydrolipoamide. The DLD gene contains 14 exons. The gene is localized to 7q31-q32. 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 acide dehydrogenase complex.
References	1. Feigenbaum, A. S., Robinson, B. H.The structure of the human dihydrolipoamide dehydrogenase gene (DLD) and its upstream elements.Genomics 17: 376-381, 1993. 2. Sakata, Y., Owada, Y., Sato, K., Kojima, K., Hisanaga, K., Shinka, T., Suzuki, Y., Aoki, Y., Satoh, J., Kondo, H., Matsubara, Y., Kure, S.Structure and expression of the glycine cleavage system in rat central nervous system.Molec. Brain Res. 94: 119-130, 2001. 3. Scherer, S. W., Otulakowski, G., Robinson, B. H., Tsui, L.-C.Localization of the human dihydrolipoamide dehydrogenase gene (DLD) to 7q31-q32.Cytogenet. Cell Genet. 56: 176-177, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91199540
NCBI GeneID	1738
NCBI Accession #	NP_000099.2
NCBI GenBank Nucleotide #	NM_000108.4
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/polyclonal/dld-antibody-immunohistochemistry-western-blot-elisa/46498>