

Rabbit anti-Human, Mouse DLD Polyclonal Antibody | anti-DLD antibody

Rabbit anti-DLD Antibody, Affinity Purified

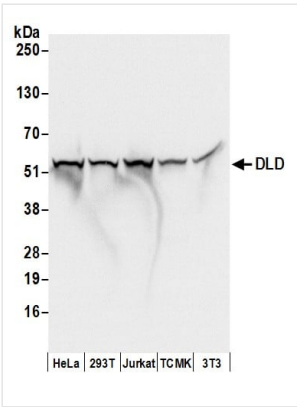
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212896	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

DLD; Polyclonal Antibody; Rabbit anti-DLD Antibody; Affinity Purified; glycine cleavage system L protein; DLDH; PHE3; lipoyl dehydrogenase; lipoamide reductase; lipoamide dehydrogenase; LAD; glycine cleavage system protein L; epididymis secretory sperm binding protein; diaphorase; E3; E3 component of pyruvate dehydrogenase complex; 2-oxo-glutarate complex; branched chain keto acid dehydrogenase complex; DLDD; dihydrolipoyl dehydrogenase; mitochondrial; Dihydrolipoamide dehydrogenase; GCSL; Dihydrolipoyl dehydrogenase; dihydrolipoamide dehydrogenase; anti-DLD antibody

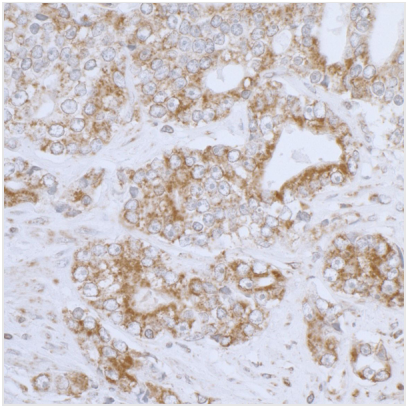
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-DLD antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Dog, Orangutan
Immunogen	Between 459 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



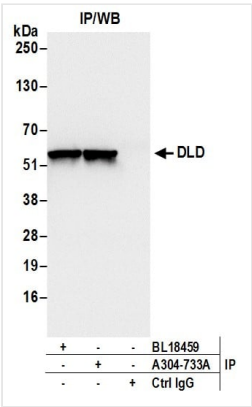
WB (Western Blot)

Detection of human and mouse DLD by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-DLD antibody AAA212896 (lot AAA212896-1) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



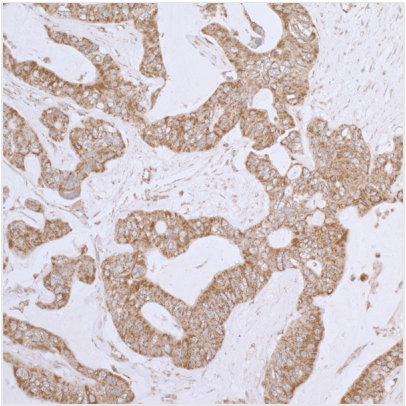
IHC (Immunohistochemistry)

Detection of human DLD by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-DLD (Cat. No. AAA212896 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



IP (Immunoprecipitation)

Detection of human DLD by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-DLD antibody AAA212896 (lot AAA212896-1) used for IP at 6 ug per reaction. DLD was also immunoprecipitated by rabbit anti-DLD antibody BL18459. For blotting immunoprecipitated DLD, AAA212896 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of human DLD by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-DLD (Cat. No. AAA212896 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-DLD antibody	Dihyrolipoamide dehydrogenase (DLD) is a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. DLD has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, DLD functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency [taken from NCBI Entrez Gene (Gene ID: 1738)].
Product Categories/Family for anti-DLD antibody	Primary Antibodies

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; E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex; diaphorase; glycine cleavage system L protein; glycine cleavage system protein L; lipoamid
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-immunoprecipitation-western-blot-elisa/212896>