

Datasheet for ABIN2787688
anti-DLD antibody (Middle Region)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	DLD
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Horse, Saccharomyces cerevisiae, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DLD
Sequence:	AGEMVNEAAL ALEYGASCED IARVCHAHPT LSEAFREANL AASFGKSINF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 100%, Rat: 93%, Yeast: 86%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against DLD. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DLD
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Target Details

Alternative Name: [DLD \(DLD Products\)](#)

Background: 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. 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. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: DLDH, E3, GCSL, LAD, PHE3

Protein Interaction Partner: HUWE1, FUS, UBC, SUMO1, NEDD8, MDM2, ASB15, PEPD, LDHA, CKB, ASS1, CNDP2, TNFAIP8, DPP3, RPL23, FN1, ATF2, MRPL11, UBAP2, MRPL37, MRPL13, MRPL42, GGH, UQCRC2, UQCRC1, MRPL23, NONO, NDUFB5, NDUFA9, ETFB, DLAT, DBT, AK2, SIRT7, SLC2A4, PSMD4, OGDH, DLD, PDH

Protein Size: 509

Molecular Weight: 56 kDa

Gene ID: 1738

NCBI Accession: [NM_000108](#), [NP_000099](#)

UniProt: [B2R5X0](#)

Pathways: [Ribonucleoside Biosynthetic Process](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 509 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Stouffs, Tournaye, Van der Elst, Haentjens, Liebaers, Lissens: "Do we need to search for gr/gr deletions in infertile men in a clinical setting?" in: Human reproduction (Oxford, England) , Vol. 23, Issue 5, pp. 1193-9, (2008) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-DLD Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Jurkat cell lysate

Western Blotting

Image 2.

