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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58455_P050-Biotin
Product Page	www.avivasysbio.com/dld-antibody-middle-region-biotin-arp58455-p050-biotin.html
Name	DLD Antibody - middle region : Biotin (ARP58455_P050-Biotin)
Protein Size (# AA)	509 amino acids
Molecular Weight	56kDa
Conjugation	Biotin
NCBI Gene Id	1738
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Dihydrolipoamide dehydrogenase
Alias Symbols	E3, LAD, DLDD, DLDH, GCSL, PHE3, OGDC-E3
Peptide Sequence	Synthetic peptide located within the following region: AGEMVNEAALALEYGASCEDIARVCHAHPTLSEAFREANLAASFGKSINF
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Wang,Y.C., (2008) J. Biomed. Sci. 15 (1), 37-46
Description of Target	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 acid 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 acid 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.
Protein Interactions	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
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-DLD (ARP58455_P050-Biotin) antibody
Blocking Peptide	For anti-DLD (ARP58455_P050-Biotin) antibody is Catalog # AAP58455 (Previous Catalog # AAPP34562)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human DLD
Uniprot ID	B2R5X0
Protein Name	Dihydrolipoyl dehydrogenase, mitochondrial
Sample Type Confirmation	DLD is supported by BioGPS gene expression data to be expressed in HeLa, Jurkat, MCF7
Protein Accession #	NP_000099
Purification	Affinity Purified
Nucleotide Accession #	NM_000108

Gene Symbol	DLD
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 100%; Rat: 93%; Yeast: 86%; Zebrafish: 93%
Image 1	

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Optimal conditions of its use should be determined by end users.

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