

Rabbit anti-Human LDHD Polyclonal Antibody | anti-LDHD antibody

LDHD Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284161	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

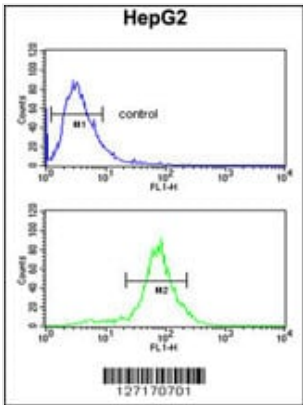
PRODUCT SYNONYMS

LDHD; Polyclonal Antibody; LDHD Antibody (N-term); Probable D-lactate dehydrogenase; mitochondrial; DLD; Lactate dehydrogenase D; LDHD HGNC:19708; anti-LDHD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LDHD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 35-62 amino acids from the N-terminal region of human LDHD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	35-62
Sequence Length	507
Applicable Applications for anti-LDHD antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

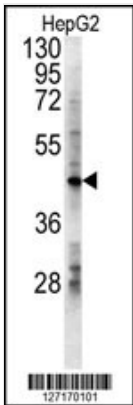
IMAGES



FCM/FACS (Flow Cytometry)
LDHD Antibody (N-term) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
LDHD Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LDHD Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
LDHD Antibody (N-term) western blot analysis in HepG2 cell line lysates (15ug/lane).This demonstrates the LDHD antibody detected the LDHD protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LDHD antibody	LDHD belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq].
Product Categories/Family for anti-LDHD antibody	Cancer; Signal Transduction
References	Dastani, Z., et al. Eur. J. Hum. Genet. (2009) In press : Flick, M.J., et al. Biochem. Biophys. Res. Commun. 295(4):910-916(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37595754
NCBI GeneID	197257
NCBI Accession #	NP_705690.2; NP_919417.1
NCBI GenBank Nucleotide #	NM_153486.3

UniProt Accession #	Q86WU2; Q8IZK5
Molecular Weight	54871
NCBI Official Full Name	probable D-lactate dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	lactate dehydrogenase D
NCBI Official Symbol	LDHD
NCBI Official Synonym Symbols	DLD
NCBI Protein Information	probable D-lactate dehydrogenase, mitochondrial
UniProt Protein Name	Probable D-lactate dehydrogenase, mitochondrial
UniProt Gene Name	LDHD
UniProt Synonym Gene Names	DLD; Lactate dehydrogenase D
UniProt Entry Name	LDHD_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://www.aaabiotech.com/polyclonal/dhd-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284161>