

Rabbit HADHB Polyclonal Antibody | anti-HADHB antibody

HADHB Antibody (C-term)

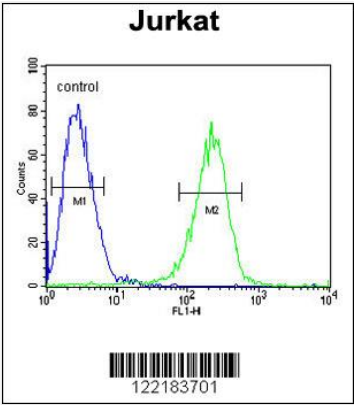
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289182	Rabbit	Human (Predicted Reactivity: Bovine, Monkey)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

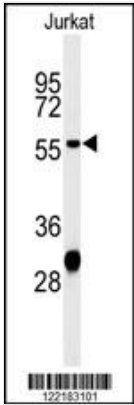
HADHB; Polyclonal Antibody; HADHB Antibody (C-term); Trifunctional enzyme subunit beta; mitochondrial; TP-beta; 3-ketoacyl-CoA thiolase; Acetyl-CoA acyltransferase; Beta-ketothiolase; anti-HADHB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HADHB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-342 amino acids from the C-terminal region of human HADHB.
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: 0.4 (varies by lot)
Sequence Positions	315-342
Sequence Length	474
Applicable Applications for anti-HADHB antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
HADHB Antibody (C-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of HADHB Antibody (C-term) in Jurkat cell line lysates (35ug/lane). HADHB (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HADHB antibody	HADHB encodes the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. Mutations in this gene result in trifunctional protein deficiency. The encoded protein can also bind RNA and decreases the stability of some mRNAs. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation.
Product Categories/Family for anti-HADHB antibody	Cancer; Metabolism; Signal Transduction
References	Purevsuren, J., et al. Mol. Genet. Metab. 98(4):372-377(2009) Bogenhagen, D.F., et al. J. Biol. Chem. 283(6):3665-3675(2008) Wang, R., et al. Zhonghua Fu Chan Ke Za Zhi 41(10):672-675(2006) Hillier, L.W., et al. Nature 434(7034):724-731(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504327
NCBI GeneID	3032
NCBI Accession #	NP_000174.1; NP_001268441.1; NP_001268442.1
NCBI GenBank Nucleotide #	NM_000183.2
UniProt Accession #	P55084; O14969; Q53TA6; Q96C77; Q9H3F5; Q9T2V8; B2RB16; B4E2W0
Molecular Weight	51294
NCBI Official Full Name	trifunctional enzyme subunit beta, mitochondrial isoform 1
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit
NCBI Official Symbol	HADHB
NCBI Official Synonym Symbols	ECHB; MTPB; MSTP029; TP-BETA
NCBI Protein Information	trifunctional enzyme subunit beta, mitochondrial
UniProt Protein Name	Trifunctional enzyme subunit beta, mitochondrial
UniProt Gene Name	HADHB

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/hadhb-antibody-flow-cytometry-western-blot-elisa/289182>