

Datasheet for ABIN2783232
anti-HADHB antibody (C-Term)[Go to Product page](#)

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Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HADHB
Sequence:	LLLGPTYATP KVLEKAGLTM NDIDAFEFHE AFSGQILANF KAMDSDWFAE
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%, Yeast: 83%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against HADHB. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	HADHB
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Target Details

Alternative Name: HADHB ([HADHB Products](#))

Background: HADHB is 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 HADHB gene result in trifunctional protein deficiency. The protein can also bind RNA and decreases the stability of some mRNAs. This gene 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. Alternatively spliced transcript variants have been found, however, their full-length nature is not known. 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: MGC87480, MSTP029, TP-BETA, ECHB, MTPB

Protein Interaction Partner: HUWE1, TP53, TUBG1, SUMO2, SUMO3, UBC, PARK2, PPP6R1, ADRB2, CSNK2A2, PAN2, ATF2, vpu, TIMM8B, COX17, IQCB1, SUOX, CHCHD4, TUBB1, RPS8, OPA1, HSP90AB1, HADHA, DES, GRK5, FBXO6, CDK2, LEO1, RTF1, TK1, SMN1, PSMA3, GRB7, RCC1, CDKN1A, ANXA7, Edc4, MYC, SQST

Protein Size: 474

Molecular Weight: 47 kDa

Gene ID: 3032

NCBI Accession: [NM_000183](#), [NP_000174](#)

UniProt: [P55084](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

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

Comment: Antigen size: 474 AA

Restrictions: For Research Use only

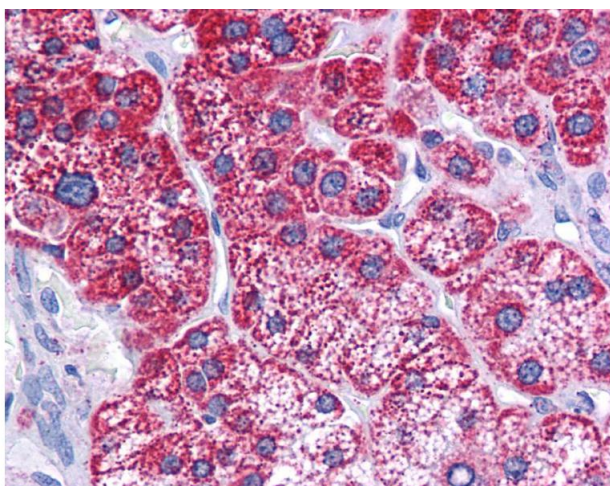
Handling

Format:	Liquid
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

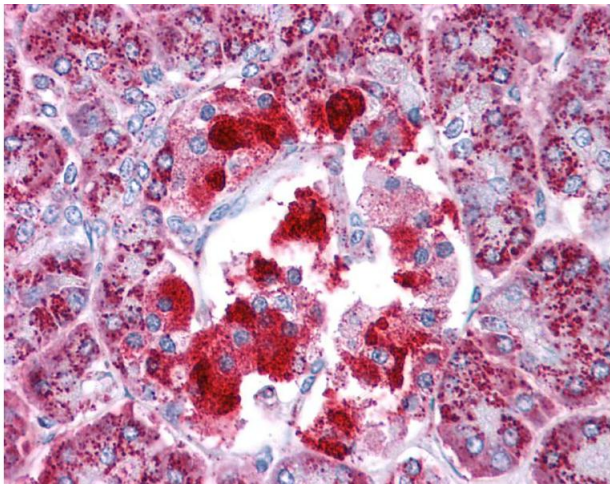
Product cited in:	Craxton: "Evolutionary genomics of plant genes encoding N-terminal-TM-C2 domain proteins and the similar FAM62 genes and synaptotagmin genes of metazoans." in: BMC genomics , Vol. 8, pp. 259, (2007) (PubMed).
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Images



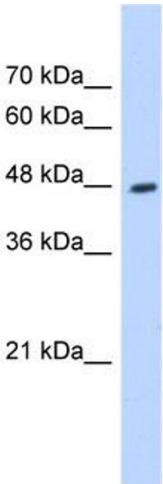
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2.



Western Blotting

Image 3. WB Suggested Anti-HADHB Antibody Titration: 0.25ug/ml Positive Control: HepG2 cell lysate HADHB is supported by BioGPS gene expression data to be expressed in HepG2