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Datasheet for ABIN709153
anti-HADHB antibody (AA 231-330) (Biotin)

Overview

Quantity:	100 µL
Target:	HADHB
Binding Specificity:	AA 231-330
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HADHB antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HADHB
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HADHB
Alternative Name:	HADHB (HADHB Products)

Target Details

Background:	<p>Synonyms: 2 enoyl Coenzyme A (CoA) hydratase beta subunit, 3 ketoacyl Coenzyme A (CoA) thiolase of mitochondrial trifunctional protein beta subunit, 3 ketoacyl Coenzyme A thiolase, 3 ketoacyl Coenzyme A thiolase of mitochondrial trifunctional protein beta subunit, Acetyl CoA acyltransferase, Beta ketothiolase, ECHB, HADH, Hydroxyacyl Coenzyme A (CoA) dehydrogenase beta subunit, Hydroxyacyl Coenzyme A dehydrogenase, Hydroxyacyl Coenzyme A dehydrogenase beta subunit, Hydroxyacyl Coenzyme A dehydrogenase/3 ketoacyl Coenzyme A thiolase/enoyl Coenzyme A hydratase (trifunctional protein) beta subunit, Mitochondrial trifunctional enzyme beta subunit, Mitochondrial trifunctional protein beta subunit, MTPB, TP beta, TPbeta, Trifunctional enzyme subunit beta, Trifunctional enzyme subunit beta mitochondrial, Trifunctional protein, ECHB_HUMAN.</p> <p>Background: The HADHB 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.</p>
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Gene ID:	151556
UniProt:	P55084
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and

Handling

	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months