



Human HADHB blocking peptide (CDBP1451)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-HADHB antibody
Antigen Description	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. 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. Mutations in this gene result in trifunctional protein deficiency. Alternatively spliced transcript variants encoding different isoforms have been described.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [HADHB hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase](#)

[\(trifunctional protein\), beta subunit \[Homo sapiens \]](#)

Official Symbol	HADHB
Synonyms	HADHB; hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit; hydroxyacyl Coenzyme A dehydrogenase/3 ketoacyl Coenzyme A thiolase/enoyl Coenzyme A hydratase (trifunctional protein), beta subunit; trifunctional enzyme subunit beta, mitochondrial; mitochondrial trifunctional protein; beta subunit; MTPB; beta-ketothiolase; acetyl-CoA acyltransferase; 2-enoyl-Coenzyme A (CoA) hydratase, beta subunit; mitochondrial trifunctional enzyme, beta subunit; mitochondrial trifunctional protein, beta subunit; hydroxyacyl-Coenzyme A (CoA) dehydrogenase, beta subunit; 3-ketoacyl-Coenzyme A (CoA) thiolase of mitochondrial trifunctional protein, beta subunit; hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit; ECHB; MSTP029; TP-BETA; MGC87480;
Entrez Gene ID	3032
mRNA Refseq	NM_000183
Protein Refseq	NP_000174
UniProt ID	P55084
Chromosome Location	2p23
Pathway	Beta oxidation of decanoyl-CoA to octanoyl-CoA-CoA, organism-specific biosystem; Beta oxidation of hexanoyl-CoA to butanoyl-CoA, organism-specific biosystem; Beta oxidation of lauroyl-CoA to decanoyl-CoA-CoA, organism-specific biosystem; Beta oxidation of myristoyl-CoA to lauroyl-CoA, organism-specific biosystem; Beta oxidation of octanoyl-CoA to hexanoyl-CoA, organism-specific biosystem; Beta oxidation of palmitoyl-CoA to myristoyl-CoA, organism-specific biosystem; Fatty Acid Beta Oxidation, or
Function	3-hydroxyacyl-CoA dehydrogenase activity; NAD binding; acetyl-CoA C-acyltransferase activity; enoyl-CoA hydratase activity; fatty-acyl-CoA binding; long-chain-3-hydroxyacyl-CoA dehydrogenase activity; long-chain-enoyl-CoA hydratase activity; protein bindi