

**HADH Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10686c****Specification**

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**HADH Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q16836](#)**HADH Antibody (Center) Blocking peptide - Additional Information****Gene ID** 3033**Other Names**

Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial, HCDH, Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase, Short-chain 3-hydroxyacyl-CoA dehydrogenase, HADH, HAD, HADHSC, SCHAD

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HADH Antibody (Center) Blocking peptide - Protein Information****Name** HADH**Function**

Mitochondrial fatty acid beta-oxidation enzyme that catalyzes the third step of the beta-oxidation cycle for medium and short-chain 3-hydroxy fatty acyl-CoAs (C4 to C10) (PubMed:<a href="http://www.uniprot.org/citations/10231530" target="\_blank">10231530</a>, PubMed:<a href="http://www.uniprot.org/citations/11489939" target="\_blank">11489939</a>, PubMed:<a href="http://www.uniprot.org/citations/16725361" target="\_blank">16725361</a>). Plays a role in the control of insulin secretion by inhibiting the activation of glutamate dehydrogenase 1 (GLUD1), an enzyme that has an important role in regulating amino acid-induced insulin secretion (By similarity).

**Cellular Location**

Mitochondrion matrix

**Tissue Location**

Expressed in liver, kidney, pancreas, heart and skeletal muscle.

## **HADH Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **HADH Antibody (Center) Blocking peptide - Images**

## **HADH Antibody (Center) Blocking peptide - Background**

This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15.

## **HADH Antibody (Center) Blocking peptide - References**

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Di Candia, S., et al. Eur. J. Endocrinol. 160(6):1019-1023(2009) van Hove, E.C., et al. Diabetes 55(11):3193-3196(2006) Yang, S.Y., et al. FEBS J. 272(19):4874-4883(2005) Vredendaal, P.J., et al. Mamm. Genome 9(9):763-768(1998)