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

Specification

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:10231530, PubMed:11489939, PubMed:16725361). 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.

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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-CoAdehydrogenase gene family. The encoded protein functions in themitochondrial matrix to catalyze the oxidation of straight-chain3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Itsenzymatic activity is highest with medium-chain-length fatty acids.Mutations in this gene cause one form of familial hyperinsulinemichypoglycemia. The human genome contains a related pseudogene ofthis 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)