

HADH/HCDH Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10208**Specification**

HADH/HCDH Antibody - Product Information

Application	WB
Primary Accession	Q9WVK7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34448

HADH/HCDH Antibody - Additional Information**Gene ID** 113965**Positive Control**

Jurkat cell lysate, mouse 3T3 cell lysate,
and rat kidney tissue lysate

Application & Usage

The antibody can be used for Western blot
analysis (1-4 µg/ml). However, the optimal
conditions should be determined
individually. Blocking peptide is available
separately.

Other Names

Hydroxyacyl-coenzyme A dehydrogenase

Target/Specificity

HADH/HCDH

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-HADH/HCDH polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

HADH/HCDH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HADH/HCDH Antibody - Protein Information

Name Hadh

Synonyms Had, Hadhsc, Schad

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) (By similarity). 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).

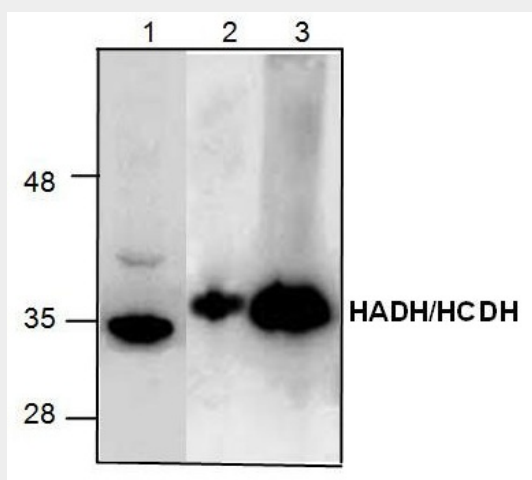
Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:P00348}

HADH/HCDH Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HADH/HCDH Antibody - Images

Western blot analysis of HADH/HCDH using Jurkat cell lysate (Lane 1), mouse 3T3 cell lysate (Lane 2) and rat kidney tissue lysate (Lane 3).

HADH/HCDH Antibody - Background

L-3-hydroxyacyl-CoA dehydrogenase (HADH/HCDH) is a mitochondrial matrix protein expressed in pancreas, liver, heart, kidney and skeletal muscle. L-3-hydroxyacyl-CoA dehydrogenase catalyzes 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 can lead to HADH (3- α -hydroxyacyl-CoA dehydrogenase) deficiency and familial hyperinsulinemic hypoglycemia 4 (HHF4).