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KO-Validated Anti-HADH Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2425

Specification

KO-Validated Anti-HADH Mouse Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q16836
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2b**
Calculated MW	**Predicted, 34 kDa; observed, 30 kDa KDa**
Gene Name	**HADH**
Aliases	**HADH; Hydroxyacyl-CoA Dehydrogenase; SCHAD; HADHSC; HADH1; Medium And Short-Chain L-3-Hydroxyacyl-Coenzyme A Dehydrogenase; L-3-Hydroxyacyl-Coenzyme A Dehydrogenase, Short Chain; Hydroxyacyl-Coenzyme A Dehydrogenase, Mitochondrial; Short-Chain 3-Hydroxyacyl-CoA Dehydrogenase; EC 1.1.1.35; HCDH; HAD; Testis Secretory Sperm-Binding Protein Li 203a; Hydroxyacyl-Coenzyme A Dehydrogenase; EC 1.1.1; MSCHAD; HHF4; HAD1**
Immunogen	**Recombinant protein of human HADH**

KO-Validated Anti-HADH Mouse Monoclonal Antibody - Additional Information

Gene ID	**3033**

Other Names
Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial, HCDH, 1.1.1.35, Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase, Short-chain 3-hydroxyacyl-CoA dehydrogenase, HADH

KO-Validated Anti-HADH Mouse Monoclonal Antibody - 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). Plays a role in the maintenance of normal spermatogenesis through the reduction of fatty acid accumulation in the testes (By similarity).

Cellular Location
Mitochondrion matrix

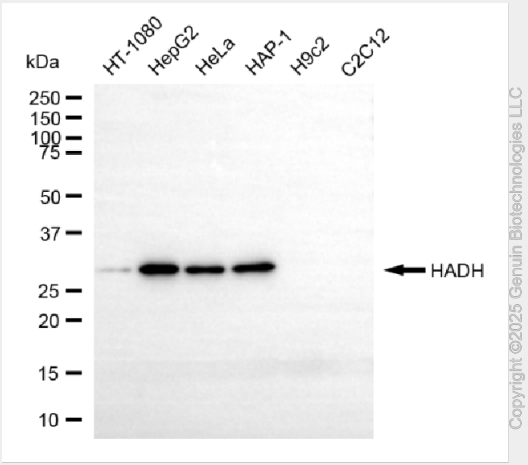
Tissue Location
Expressed in liver, kidney, pancreas, heart and skeletal muscle.

KO-Validated Anti-HADH Mouse Monoclonal 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 Cytomety
- Cell Culture

KO-Validated Anti-HADH Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-HADH antibody (Cat#71173). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HADH antibody (Cat#71173, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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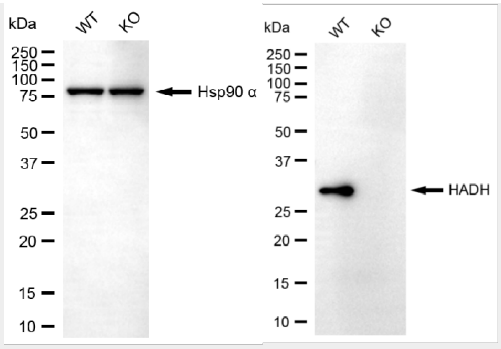

Western blotting analysis using anti-HADH antibody (Cat#71173). HADH expression in wild type (WT) and HADH knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-HADH antibody (Cat#71173, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).