

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](http://www.uniprot.org/citations/10231530), PubMed: [11489939](http://www.uniprot.org/citations/11489939), PubMed: [16725361](http://www.uniprot.org/citations/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

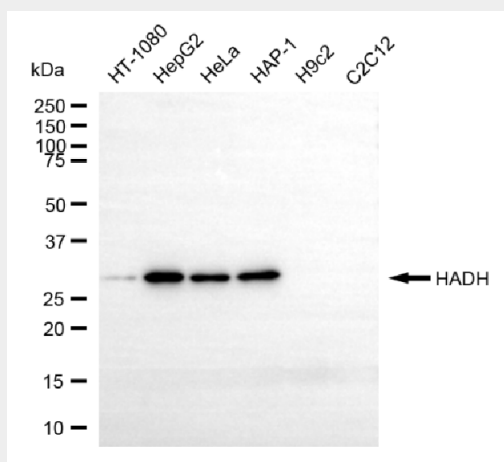
Expressed in liver, kidney, pancreas, heart and skeletal muscle.

KO-Validated Anti-HADH Mouse Monoclonal Antibody - Protocols

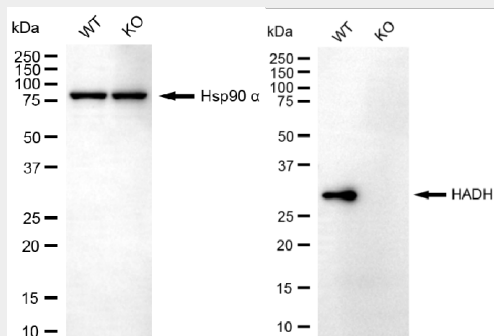
Provided below are standard protocols that you may find useful for product applications.

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

KO-Validated Anti-HADH Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-HADH antibody (Cat#AGI2425). 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#AGI2425, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-HADH antibody (Cat#AGI2425). 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#AGI2425, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.