
Product Name: KO-Validated HADH Mouse Monoclonal Antibody**Catalog #: KVA00141**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 34.3kDa

Antigen Information

Gene Name	HADH
Alternative Names	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
Gene ID	3033.0
SwissProt ID	Q16836
Immunogen	Recombinant protein of human HADH

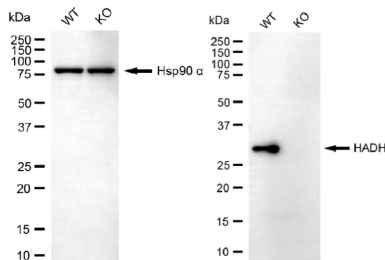
Background

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. [provided by RefSeq, May 2010]

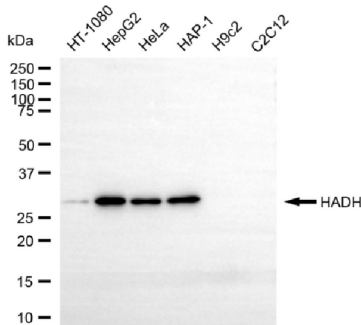
Research Area

Signal Transduction,Cancer,Metabolism

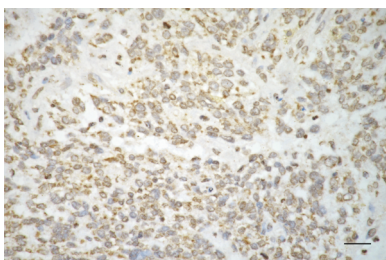
Image Data



Western blotting analysis using HADH antibody (KVA00141). 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 HADH antibody (KVA00141, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using HADH antibody (KVA00141). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HADH antibody (KVA00141, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using HADH antibody (KVA00141, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.