

KO-Validated Anti-HADH Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2425

Product Information

Application	WB
Primary Accession	Q16836
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Names	25GB675
Calculated MW	34294
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

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

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.

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