

Product datasheet for **TA802890AM**

HADHSC (HADH) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI7C9]

Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI7C9 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 57-314 of human HADH (NP_005318) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 32.8 kDa |
| Gene Name: | hydroxyacyl-CoA dehydrogenase |
| Database Link: | NP_005318 Entrez Gene 15107 Mouse Entrez Gene 113965 Rat Entrez Gene 3033 Human Q16836 |
| 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] |

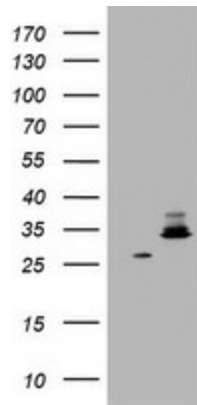


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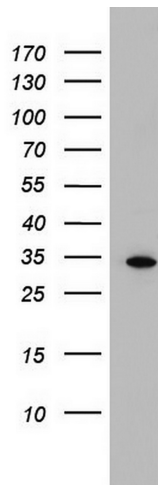
Synonyms: HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

Protein Pathways: Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

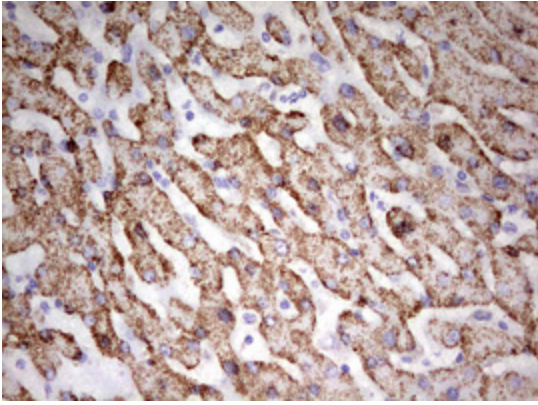
Product images:



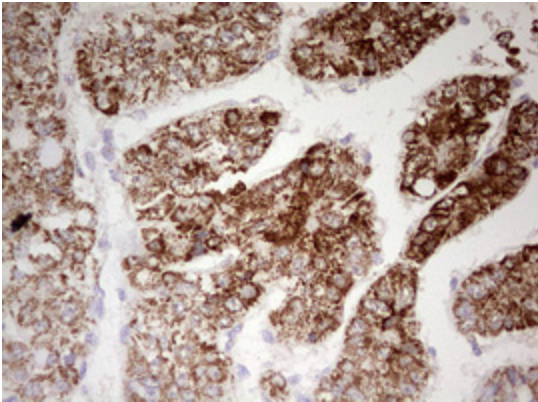
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HADH ([RC201752], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HADH. Positive lysates [LY401643] (100ug) and [LC401643] (20ug) can be purchased separately from OriGene.



Western blot analysis of HT29 cell lysate (35ug) by using anti-HADH monoclonal antibody. Dilution: 1:500



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-HADH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802890])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HADH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802890])