HADHSC Antibody

Catalog No: #48110

Package Size: #48110-1 50ul #48110-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	HADHSC Antibody
Host Species	Mouse
Clone No.	D10-E7
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Human,;Mouse;Rat
Immunogen Description	Synthetic peptide within Human HADH
Other Names	3 hydroxyacyl Coenzyme A dehydrogenase antibody HAD antibody HADH antibody HADH1 antibody HADHSC antibody HADHSC, formerly antibody HADSC, formerly antibody HCDH antibody HCDH_HUMAN antibody HHF4 antibody Hydroxyacyl CoA dehydrogenase antibody Hydroxyacyl-coenzyme A dehydrogenase antibody hydroxyacyl-coenzyme A dehydrogenase, mitochondrial antibody L 3 hydroxyacyl Coenzyme A dehydrogenase short chain antibody M SCHAD antibody Medium and short chain L 3 hydroxyacyl coenzyme A dehydrogenase antibody Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase antibody MGC8392 antibody mitochondrial antibody MSCHAD antibody OTTHUMP00000162626 antibody OTTHUMP00000219688 antibody SCHAD antibody SCHAD, formerly antibody Short chain 3 hydroxyacyl CoA dehydrogenase mitochondrial antibody short chain 3-hydroxyacyl-coa dehydrogenase antibody Short-chain 3-hydroxyacyl-CoA dehydrogenase antibody
Accession No.	Swiss-Prot#:Q16836
Uniprot	Q16836
GeneID	3033;
Calculated MW	34kDa
Formulation	1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

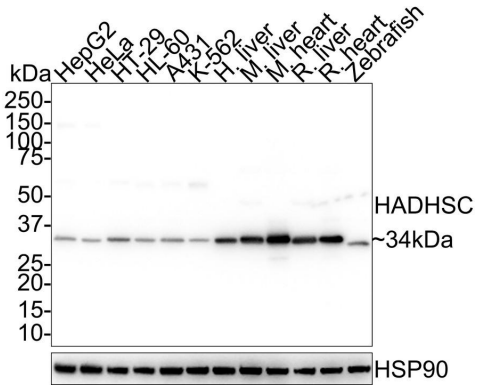
Application Details

WB 1:1000-1:2000;

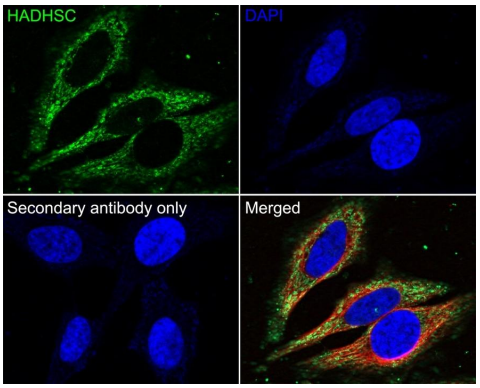
IHC 1:1000;

ICC 1:100

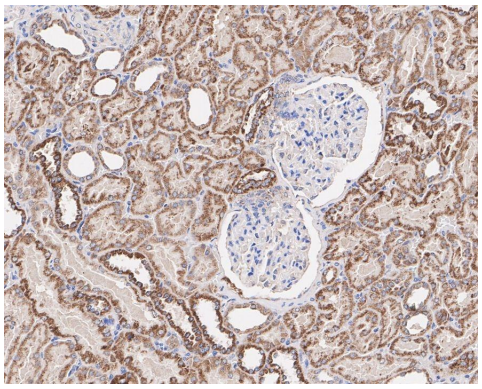
Images



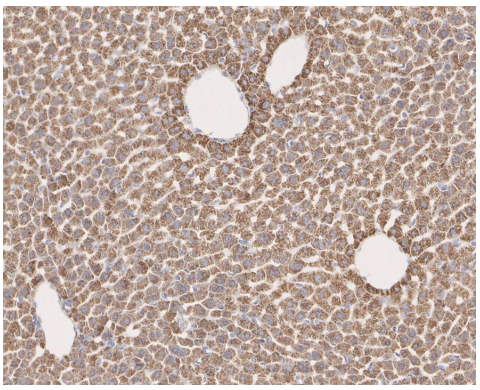
Western blot analysis of HADH on different lysates with HADH at 1/1,000 dilution.
Lane 1: HepG2 cell lysate (20 ug/Lane)
Lane 2: HeLa cell lysate (20 ug/Lane)
Lane 3: HT-29 cell lysate (20 ug/Lane)
Lane 4: HL-60 cell lysate (20 ug/Lane)
Lane 5: A431 cell lysate (20 ug/Lane)
Lane 6: K-562 cell lysate (20 ug/Lane)
Lane 7: Human liver tissue lysate (40 ug/Lane)
Lane 8: Mouse liver tissue lysate (40 ug/Lane)
Lane 9: Mouse heart tissue lysate (40 ug/Lane)
Lane 10: Rat liver tissue lysate (40 ug/Lane)
Lane 11: Rat heart tissue lysate (40 ug/Lane)
Lane 12: Zebrafish tissue lysate (40 ug/Lane)
Predicted band size: 34 kDa
Observed band size: 34 kDa



Immunocytochemistry analysis of HeLa cells labeling HADH at 1/100 dilution.
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with HADH at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Immunohistochemical analysis of paraffin-embedded human kidney tissue with HADH at 1/1,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue with HADH at 1/1,000 dilution.
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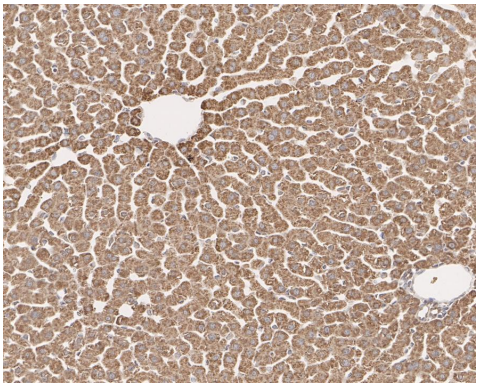
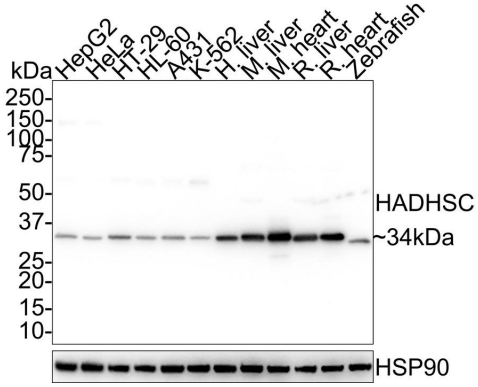


Immunohistochemical analysis of paraffin-embedded rat liver tissue with HADH at 1/1,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



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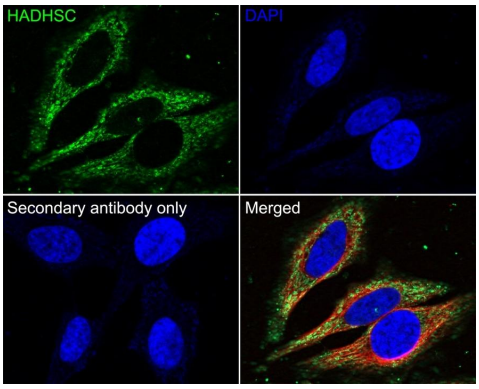

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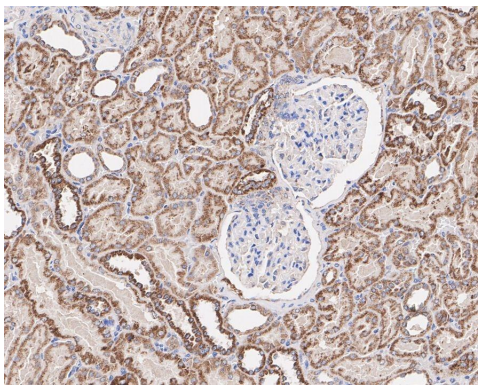

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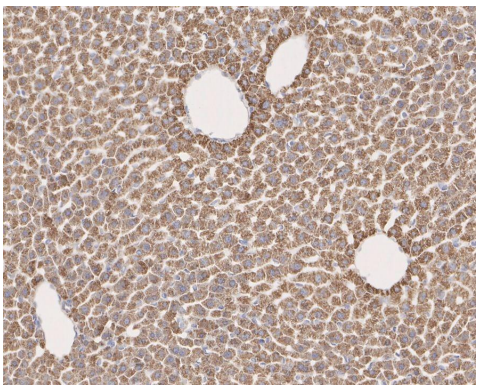
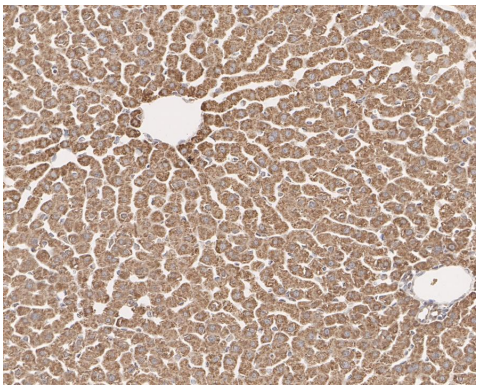


Immunohistochemical analysis of paraffin-embedded mouse liver tissue with HADH at 1/1,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded rat liver tissue with HADH at 1/1,000 dilution.
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Background

Hydroxyacyl-Coenzyme A dehydrogenase also known as HADH is an enzyme which in humans is encoded by the HADH gene. 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. A deficiency is associated with 3-hydroxyacyl-coenzyme A dehydrogenase deficiency.

Note: This product is for in vitro research use only