

Rabbit anti-Human HADH Polyclonal Antibody | anti-HADH antibody

HADH Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258616	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

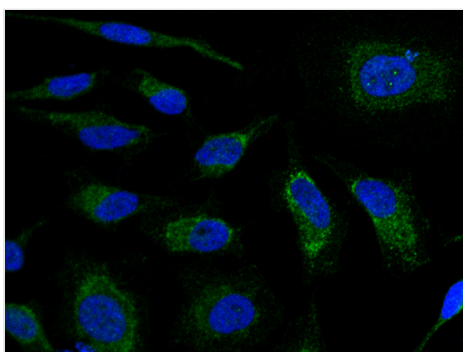
PRODUCT SYNONYMS

HADH; Polyclonal Antibody; HADH Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-HAD Antibody; Anti-HADH1 Antibody; Anti-HADHSC Antibody; Anti-HCDH Antibody; Anti-HHF4 Antibody; Anti-MSCHAD Antibody; Anti-SCHAD Antibody; anti-HADH antibody

PRODUCT SPECIFICATIONS

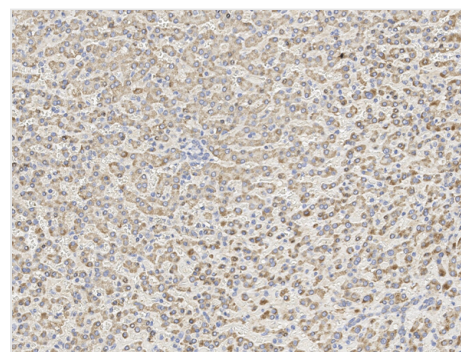
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human HADH
Applicable Applications for anti-HADH antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human HADH, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



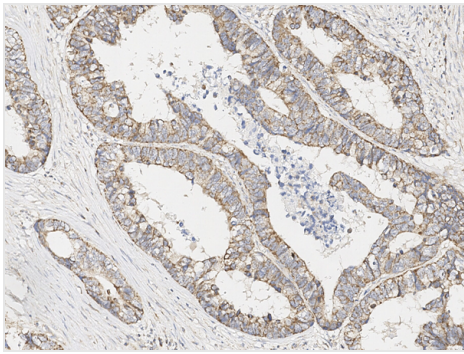
IF (Immunofluorescence)

Immunofluorescence staining of HADH in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HADH polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human HADH in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
 Immunochemical staining of human HADH in human carcinoma of sigmoid with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-HADH antibody	HADH (Hydroxyacyl-CoA Dehydrogenase, also known as HADHSC) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. 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. HADH is a key enzyme in fatty acid oxidation. It is widely expressed in fat, kidney, and other tissues. The downregulation of HADH promotes gastric cancer progression via activation of the Akt signaling pathway. Recessive mutations in the hydroxyacyl-CoA dehydrogenase (HADH) gene encoding the enzyme 3-hydroxyacyl-CoA dehydrogenase are a rare cause of diazoxide-responsive hyperinsulinemic hypoglycemia (HH).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296179429
NCBI GeneID	3033
NCBI Accession #	NP_005318.3
NCBI GenBank Nucleotide #	NM_005327.4
UniProt Accession #	Q16836; O00324; O00397; O00753; Q4W5B4; J3KQ17
Molecular Weight	34,294 Da
NCBI Official Full Name	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase
NCBI Official Symbol	HADH
NCBI Official Synonym Symbols	HAD; HCDH; HHF4; HADH1; SCHAD; HADHSC; MSCHAD
NCBI Protein Information	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial; short-chain 3-hydroxyacyl-CoA dehydrogenase; L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain; medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase
UniProt Protein Name	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial
UniProt Gene Name	HADH
UniProt Synonym Gene Names	HAD; HADHSC; SCHAD; HCDH
UniProt Entry Name	HCDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.