

## Rabbit anti-Human, Mouse HADH Polyclonal Antibody | anti-HADH antibody

HADH Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA326002 | Rabbit | Human, Mouse | ELISA, Immunohistochemistry, Western Blot |

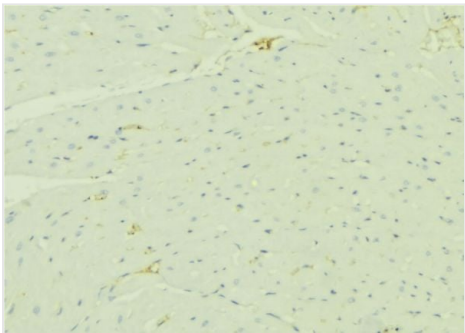
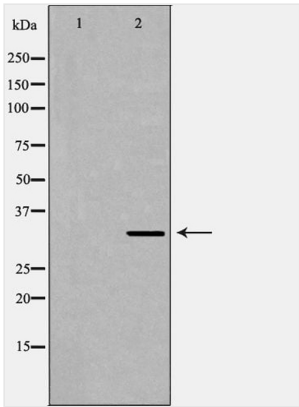
### PRODUCT SYNONYMS

HADH; Polyclonal Antibody; HADH Antibody; 3 hydroxyacyl Coenzyme A dehydrogenase; HAD; HADH1; HADHSC; formerly; HADSC; HCDH; HCDH\_HUMAN; HHF4; Hydroxyacyl CoA dehydrogenase; Hydroxyacyl-coenzyme A dehydrogenase; hydroxyacyl-coenzyme A dehydrogenase; mitochondrial; L 3 hydroxyacyl Coenzyme A dehydrogenase short chain; M SCHAD; Medium and short chain L 3 hydroxyacyl coenzyme A dehydrogenase; Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; MGC8392; MSCHAD; OTTHUMP00000162626; OTTHUMP00000219688; SCHAD; Short chain 3 hydroxyacyl CoA dehydrogenase mitochondrial; short chain 3-hydroxyacyl-coa dehydrogenase; Short-chain 3-hydroxyacyl-CoA dehydrogenase; anti-HADH antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                           |
| Reactivity                                     | Human, Mouse                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                       |
| Isotype                                        | IgG                                                                                                                              |
| Specificity                                    | HADH antibody detects endogenous levels of total HADH                                                                            |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                    |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                    |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                | 331                                                                                                                              |
| Applicable Applications for anti-HADH antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                             |
| Immunogen                                      | A synthesized peptide derived from human HADH                                                                                    |
| Subcellular Location                           | Mitochondrion Matrix.                                                                                                            |
| Tissue Specificity                             | Expressed in liver, kidney, pancreas, heart and skeletal muscle.                                                                 |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                       |
| Similarity                                     | Pig (100%), Zebrafish (100%), Bovine (89%), Horse (100%), Sheep (89%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%) |
| Conjugation                                    | Unconjugated                                                                                                                     |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                |

IMAGES



**IHC (Immunohistochemistry)**  
AAA326002 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

**WB (Western Blot)**  
Western blot analysis of Mouse liver tissue lysates, using HADH Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HADH antibody

Description: 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]  
Function: Plays an essential role in the mitochondrial beta-oxidation of short chain fatty acids. Exerts it highest activity toward 3-hydroxybutyryl-CoA.  
Subunit Structure: Homodimer.  
Post-translational Modifications: Succinylation at Lys-81, adjacent to a coenzyme A binding site. Desuccinylated by SIRT5 (By similarity).  
Similarity: Belongs to the 3-hydroxyacyl-CoA dehydrogenase family.

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 296179427                                                     |
| NCBI GeneID                      | 3033                                                          |
| NCBI Accession #                 | NP_001171634.2                                                |
| NCBI GenBank Nucleotide #        | NM_001184705.2                                                |
| UniProt Accession #              | Q16836; O00324; O00397; O00753; Q4W5B4; J3KQ17                |
| Molecular Weight                 | Observed: 34 kDa<br>Predicted: 35 kDa                         |
| NCBI Official Full Name          | hydroxyacyl-coenzyme A dehydrogenase, mitochondrial isoform 1 |
| 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           |
| UniProt Protein Name             | Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial           |
| UniProt Gene Name                | HADH                                                          |
| UniProt Synonym Gene Names       | HAD; HADHSC; SCHAD; HCDH                                      |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hadh-antibody-immunohistochemistry-western-blot-elisa/326002>