

## Rabbit HIBADH Polyclonal Antibody | anti-HIBADH antibody

HIBADH Antibody

| CATALOG # | HOST   | REACTIVITY                                                                   | APPLICATIONS |
|-----------|--------|------------------------------------------------------------------------------|--------------|
| AAA328669 | Rabbit | Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus | Western Blot |

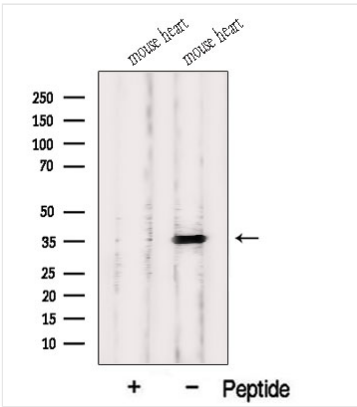
### PRODUCT SYNONYMS

HIBADH; Polyclonal Antibody; HIBADH Antibody; 3 hydroxy 2 methylpropanoate:NAD(+) oxidoreductase; 3 hydroxyisobutyrate dehydrogenase; 3 hydroxyisobutyrate dehydrogenase mitochondrial; 3-hydroxyisobutyrate dehydrogenase; 3HIDH\_HUMAN; EC 1.1.1.31; MGC40361; mitochondrial; NS5ATP1; anti-HIBADH antibody

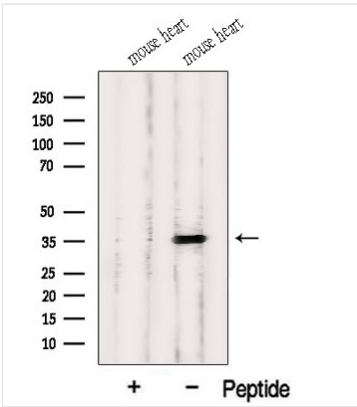
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                   |
| Reactivity                                       | Human, Mouse, Rat<br>Predicted: Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus                                         |
| Clonality                                        | Polyclonal                                                                                                               |
| Isotype                                          | IgG                                                                                                                      |
| Specificity                                      | HIBADH Antibody detects endogenous levels of HIBADH.                                                                     |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific). |
| Form/Format                                      | Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                              |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                  | 336                                                                                                                      |
| Applicable Applications for anti-HIBADH antibody | WB (Western Blot)                                                                                                        |
| Immunogen                                        | A synthesized peptide derived from human HIBADH.                                                                         |
| Tissue Specificity                               | Detected in skin fibroblasts.                                                                                            |
| Fragment                                         | Fab Fragment                                                                                                             |
| Conjugate                                        | Unconjugated                                                                                                             |
| Subcellular Location                             | Mitochondrion                                                                                                            |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from Mouse heart tissue, using HIBADH Antibody. The lane on the left was treated with blocking peptide.



**WB (Western Blot)**  
Western blot analysis of extracts from 3T3, using HIBADH Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

|                                                      |                                                                                                 |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HIBADH antibody | Description: 3-hydroxy-2-methylpropanoate + NAD <sup>+</sup> = 2-methyl-3-oxopropanoate + NADH. |
|                                                      | Subunit Structure: Homodimer.                                                                   |
|                                                      | Similarity: Belongs to the 3-hydroxyisobutyrate dehydrogenase family.                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 23308751                                          |
| NCBI GeneID                      | 11112                                             |
| NCBI Accession #                 | NP_689953.1                                       |
| NCBI GenBank Nucleotide #        | NP_689953.1                                       |
| UniProt Accession #              | P31937                                            |
| Molecular Weight                 | Observed: 35 kDa<br>Predicted: 36 kDa             |
| NCBI Official Full Name          | 3-hydroxyisobutyrate dehydrogenase, mitochondrial |
| NCBI Official Synonym Full Names | 3-hydroxyisobutyrate dehydrogenase                |
| NCBI Official Symbol             | HIBADH                                            |
| NCBI Official Synonym Symbols    | NS5ATP1                                           |
| NCBI Protein Information         | 3-hydroxyisobutyrate dehydrogenase, mitochondrial |
| UniProt Protein Name             | 3-hydroxyisobutyrate dehydrogenase, mitochondrial |
| UniProt Gene Name                | HIBADH                                            |
| UniProt Synonym Gene Names       | HIBADH                                            |
| UniProt Entry Name               | 3HIDH_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.