# Mouse HIBCH Monoclonal Antibody | anti-HIBCH antibody

HIBCH antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA106525** | **Mouse** | **Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

HIBCH; Monoclonal Antibody; HIBCH antibody; Monoclonal HIBCH; Anti-HIBCH; 3 hydroxyisobutyryl CoA hydrolase; HIBYL CoA H; HIBYLCOAH; anti-HIBCH antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Number** | 5C5 |
| **Purity/Purification** | HIBCH antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 386 |
| **Applicable Applications for anti-HIBCH antibody** | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Biological Significance** | HIBCH is an enzyme responsible for hydrolysis of both HIBYL-CoA and beta-hydroxypropionyl-CoA. Mutations in this gene have been associated with 3-hyroxyisobutyryl-CoA hydrolase deficiency. |
| **Cross-Reactivity** | Human, Dog, Rat |
| **Immunogen** | HIBCH antibody was raised in mouse using a full length recombinant protein of human HIBCH (NP_055177) produced in HEK293T cells, as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent staining of COS7 cells transiently transfected with recombinant HIBCH protein using HIBCH antibody

**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HIBCH protein (Right) or empty vector (Left) detected with HIBCH antibody

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-HIBCH antibody** | Mouse monoclonal HIBCH antibody |

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| **Product Categories/Family for anti-HIBCH antibody** | Proteases; Inhibitors; & Enzymes |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 37594471 |
| **NCBI GeneID** | 26275 |
| **NCBI Accession #** | NP_055177 |
| **NCBI GenBank Nucleotide #** | NM_014362.3 |
| **UniProt Accession #** | Q6NVY1; Q53GA8; Q53GF2; Q53RF7; Q53TC6; Q92931; Q9BS94; D3DPI4 |
| **Molecular Weight** | 38,012 Da |
| **NCBI Official Full Name** | 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial isoform 1 |
| **NCBI Official Synonym Full Names** | 3-hydroxyisobutyryl-CoA hydrolase |
| **NCBI Official Symbol** | HIBCH |
| **NCBI Official Synonym Symbols** | HIBYLCOAH |
| **NCBI Protein Information** | 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial |
| **UniProt Protein Name** | 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial |
| **UniProt Gene Name** | **HIBCH** |
| **UniProt Synonym Gene Names** | HIB-CoA hydrolase; HIBYL-CoA-H |
| **UniProt Entry Name** | HIBCH_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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/hibch-antibody-clone-5c5-western-blot-immunofluorescence-flow-cytometry-elisa/106525