

## Mouse HIBCH Monoclonal Antibody | anti-HIBCH antibody

HIBCH antibody

|                               |                      |                                                                                           |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106525</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|

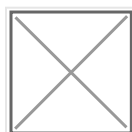
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

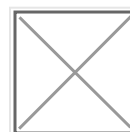
|                                                 |                                                                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-hydroxyisobutyryl-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

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

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

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| 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                | <b>HIBCH</b>                                                   |
| 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.