

### **KD-Validated Anti-HIBCH Mouse Monoclonal Antibody**

Mouse monoclonal antibody Catalog # AGI2057

## **Specification**

# **KD-Validated Anti-HIBCH Mouse Monoclonal Antibody - Product Information**

Application WB
Primary Accession Q6NVY1

Reactivity
Clonality
Isotype

Human, Mouse
Monoclonal
Mouse IgG1

Calculated MW Predicted, 43 kDa, observed, 38 kDa KDa

Gene Name HIBCH

Aliases HIBCH; 3-Hydroxyisobutyryl-CoAHydrolase;

3-Hydroxyisobutyryl-Coenzyme A Hydrolase; 3-Hydroxyisobutyryl-CoA Hydrolase, Mitochondrial; HIB-CoA Hydrolase; HIBYL-CoA-H; EC 3.1.2.4;

**Testicular Tissue Protein Li 86; HIBYLCOAH** 

Immunogen Recombinant protein of human HIBCH

### KD-Validated Anti-HIBCH Mouse Monoclonal Antibody - Additional Information

Gene ID 26275

**Other Names** 

3-hydroxyisobutyryl-CoA hydrolase, mitochondrial, 3.1.2.4, 3-hydroxyisobutyryl-coenzyme A hydrolase, HIB-CoA hydrolase, HIBYL-CoA-H, HIBCH

### **KD-Validated Anti-HIBCH Mouse Monoclonal Antibody - Protein Information**

# **Name HIBCH**

#### **Function**

Hydrolyzes 3-hydroxyisobutyryl-CoA (HIBYL-CoA), a saline catabolite. Has high activity toward isobutyryl-CoA. Could be an isobutyryl-CoA dehydrogenase that functions in valine catabolism. Also hydrolyzes 3-hydroxypropanoyl-CoA.

### **Cellular Location**

Mitochondrion.

#### **Tissue Location**

Highly expressed in liver and kidney, also detected in heart, muscle and brain (at protein level). Not detected in lung

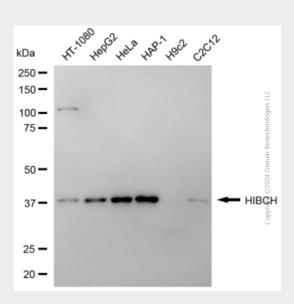
#### **KD-Validated Anti-HIBCH Mouse Monoclonal Antibody - Protocols**



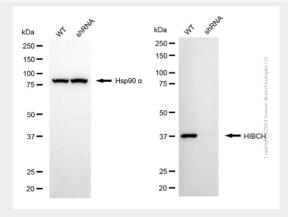
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## KD-Validated Anti-HIBCH Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-HIBCH antibody (Cat#AGI2057). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HIBCH antibody (Cat#AGI2057, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-HIBCH antibody (Cat#AGI2057). HIBCH expression in wild-type (WT) and HIBCH shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-HIBCH antibody (Cat#AGI2057, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.