

**HIBCH Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7435b****Specification**

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**HIBCH Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q6NVY1](#)**HIBCH Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 26275**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7435b](/products/AP7435b) was selected from the C-term region of human HIBCH. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HIBCH Antibody (C-term) Blocking Peptide - 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

## **HIBCH Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **HIBCH Antibody (C-term) Blocking Peptide - Images**

## **HIBCH Antibody (C-term) Blocking Peptide - Background**

HIBCH is responsible for the specific hydrolysis of HIBYL-CoA, a valine catabolite, as well as the hydrolysis of beta-hydroxypropionyl-CoA, an intermediate in a minor pathway of propionate metabolism.

## **HIBCH Antibody (C-term) Blocking Peptide - References**

Hawes J.W., Jaskiewicz J., Shimomura Y.J. Biol. Chem. 271:26430-26434(1996) Loupatty F.J., Clayton P.T.Am. J. Hum. Genet. 80:195-199(2007)