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HIBCH Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7435c

Specification

HIBCH Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q6NVY1

HIBCH Antibody (Center) 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 AP7435c was selected from the Center 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 (Center) 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

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HIBCH Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

HIBCH Antibody (Center) Blocking Peptide - Images

HIBCH Antibody (Center) 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 (Center) 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)