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HIBCH Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP7435d

Specification

HIBCH Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q6NVY1
Other Accession	NP_055177

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

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

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

Beta-hydroxyisobutyryl-CoA hydrolase (EC 3.1.2.4) isresponsible for the specific hydrolysis of HIBYL-CoA, a valinecatabolite, as well as the hydrolysis of beta-hydroxypropionyl-CoA,an intermediate in a minor pathway of propionatemetabolism.

HIBCH Antibody (Center) Blocking peptide - References

Wu, C., et al. Proteomics 7(11):1775-1785(2007)Loupatty, F.J., et al. Am. J. Hum. Genet. 80(1):195-199(2007)Ishigure, K., et al. Clin. Chim. Acta 312 (1-2), 115-121 (2001) Hawes, J.W., et al. J. Biol. Chem. 271(42):26430-26434(1996)Shimomura, Y., et al. J. Biol. Chem. 269(19):14248-14253(1994)