

# HIBCH Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7435c

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q6NVY1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB18227
<b>Calculated MW</b>	43482
<b>Antigen Region</b>	183-209

## Additional Information

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<b>Gene ID</b>	26275
<b>Other Names</b>	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial, 3-hydroxyisobutyryl-coenzyme A hydrolase, HIB-CoA hydrolase, HIBYL-CoA-H, HIBCH
<b>Target/Specificity</b>	This HIBCH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-209 amino acids from the Central region of human HIBCH.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HIBCH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HIBCH
<b>Function</b>	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

## Background

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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.

## References

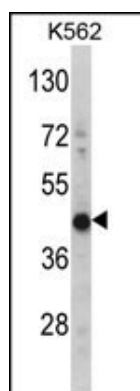
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Hawes J.W., Jaskiewicz J., Shimomura Y.J. Biol. Chem. 271:26430-26434(1996)

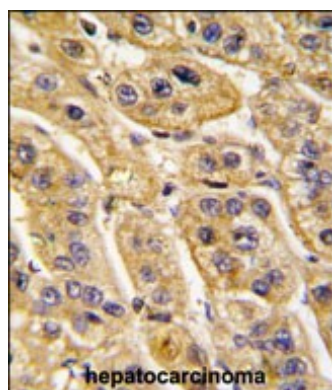
Loupatty F.J., Clayton P.T.Am. J. Hum. Genet. 80:195-199(2007)

## Images

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Western blot analysis of HIBCH Antibody (Center) (Cat. #AP7435c) in K562 cell line lysates (35ug/lane). HIBCH (arrow) was detected using the purified Pab.(2ug/ml)



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HIBCH antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.