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# HIBCH Antibody (Center)
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP7435c**

## Specification

### HIBCH Antibody (Center) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P,E** |
| Primary Accession | Q6NVY1 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **43482** |
| Antigen Region | **183-209** |

### HIBCH Antibody (Center) - 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**
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.

**Dilution**
WB~~1:1000
IHC-P~~1:10~50

**Format**
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.

**Storage**
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.

**Precautions**
HIBCH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### HIBCH Antibody (Center) - 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.

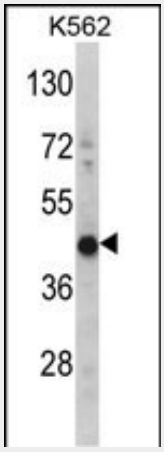
**Tissue Location**
Highly expressed in liver and kidney, also detected in heart, muscle and brain (at protein level). Not detected in lung

## HIBCH Antibody (Center) - Protocols

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

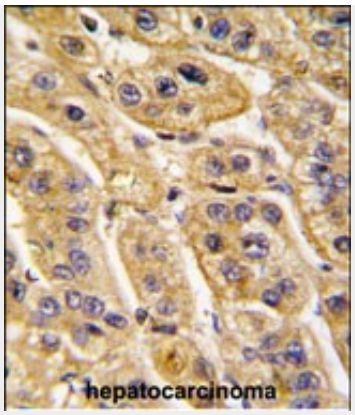
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## HIBCH Antibody (Center) - Images




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)

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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.

**HIBCH Antibody (Center) - 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) - 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)