

HIBCH Antibody (clone 5C5)
Mouse Monoclonal Antibody
Catalog # ALS16720**Specification**

HIBCH Antibody (clone 5C5) - Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	Q6NVY1
Other Accession	26275
Reactivity	Human, Rat, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43482
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50

HIBCH Antibody (clone 5C5) - Additional Information**Gene ID** 26275**Other Names**

HIBCH, HIB-CoA hydrolase, HIBYL-CoA-H, HIBYLCOAH

Target/Specificity

Human HIBCH

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

HIBCH Antibody (clone 5C5) is for research use only and not for use in diagnostic or therapeutic procedures.

HIBCH Antibody (clone 5C5) - 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

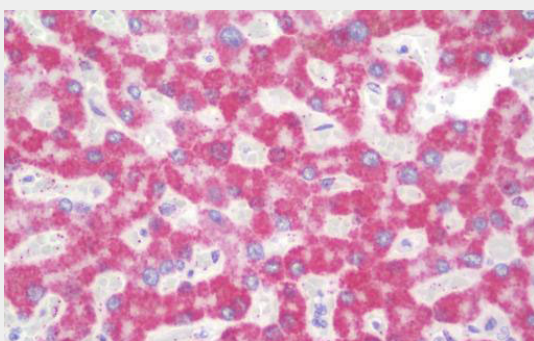
Volume

50 μ l

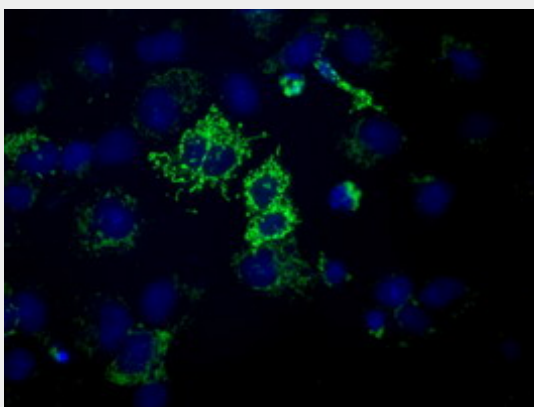
HIBCH Antibody (clone 5C5) - Protocols

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

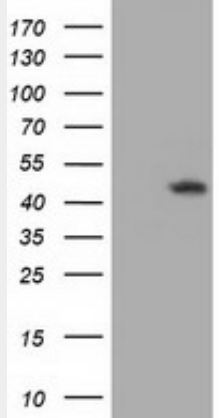
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HIBCH Antibody (clone 5C5) - Images

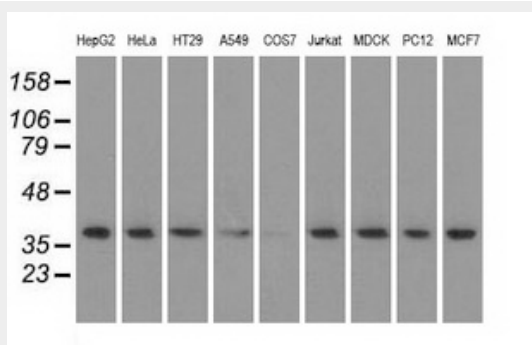
Anti-HIBCH antibody IHC staining of human liver.



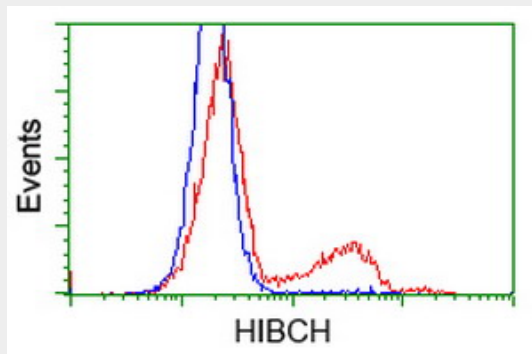
Anti-HIBCH mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HIBCH...



Western blot of extracts (35 ug) from 9 different cell lines by using anti-HIBCH monoclonal...



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid...

HIBCH Antibody (clone 5C5) - Background

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.

HIBCH Antibody (clone 5C5) - References

Hawes J.W.,et al.J. Biol. Chem. 271:26430-26434(1996).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Choudhary C.,et al.Science 325:834-840(2009).