

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

HIBCH Antibody (clone 5C5) - Product Information

Application	IHC, IF, WB, FC
Primary Accession	Q6NVY1
Other Accession	26275
Reactivity	Human, Rat, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43482

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

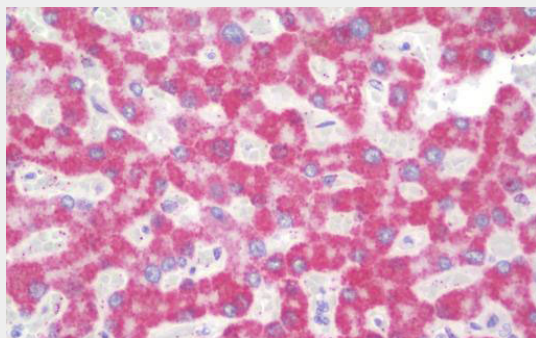
Volume
50 µl

HIBCH Antibody (clone 5C5) - Protocols

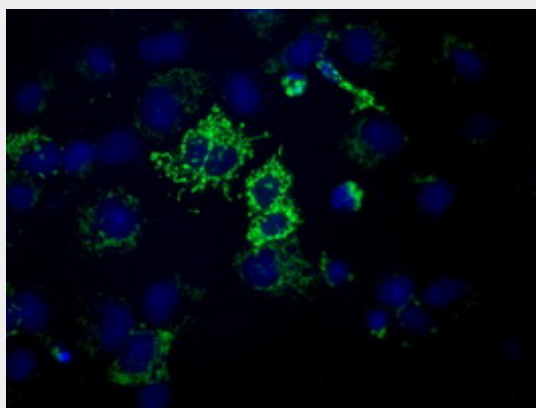
Provided below are standard protocols that you may find useful for product applications.

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

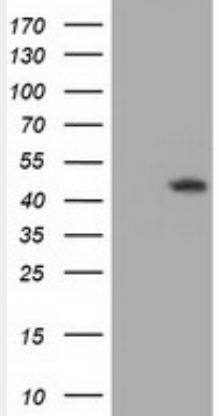
HIBCH Antibody (clone 5C5) - Images



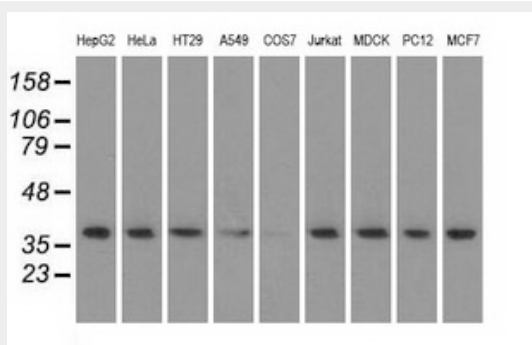
Anti-HIBCH antibody IHC staining of human liver.



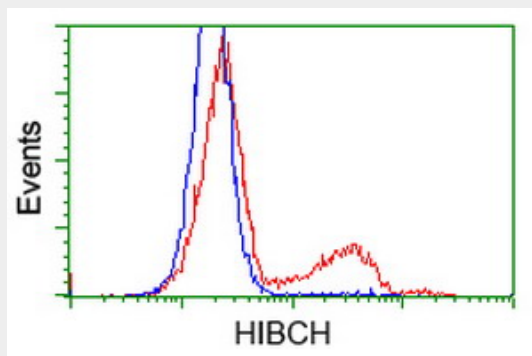
Anti-HIBCH mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



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).