

For Research Use Only

HIBCH Polyclonal antibody

Catalog Number: 14603-1-AP 1 Publications



Basic Information

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| Catalog Number: 14603-1-AP | GenBank Accession Number: BC067822 | Purification Method: Antigen affinity purification |
| Size: 500 µg/ml | GeneID (NCBI): 26275 | Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q6NVY1 | |
| Isotype: IgG | Full Name: 3-hydroxyisobutyryl-Coenzyme A hydrolase | |
| Immunogen Catalog Number: AG6149 | Calculated MW: 43 kDa | |
| | Observed MW: 38 kDa | |

Applications

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| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : HepG2 cells, human brain tissue, human liver tissue, human heart tissue, mouse liver tissue IHC : human liver cancer tissue, |
| Cited Applications: WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human | |

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

HIBCH belongs to the enoyl-CoA hydratase/isomerase family. HIBCH has two isoforms with MW 43 kDa and 38 kDa. It is highly expressed in the liver and kidney, also detected in the heart, muscle and brain (at protein level), but not detected in the lung. 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 (PMID: 8824301).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|----------------|-------------|
| Anne M Molloy | 27132595 | Am J Hum Genet | WB |

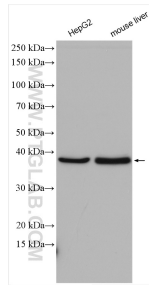
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

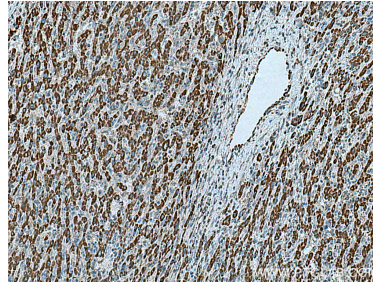
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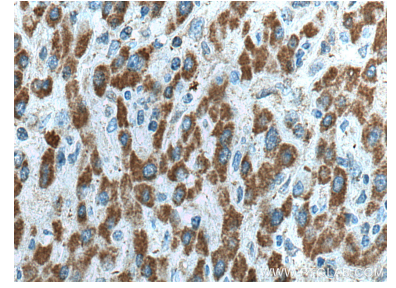
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14603-1-AP (HIBCH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14603-1-AP (HIBCH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14603-1-AP (HIBCH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).