

For Research Use Only

HIBCH Polyclonal antibody

Catalog Number: 14603-1-AP **1 Publications**



Basic Information

Catalog Number: 14603-1-AP	GenBank Accession Number: BC067822	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26275	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	Full Name: 3-hydroxyisobutyryl-Coenzyme A hydrolase	
Isotype: IgG	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG6149	Observed MW: 38 kDa	

Applications

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

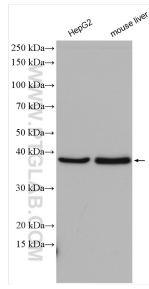
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

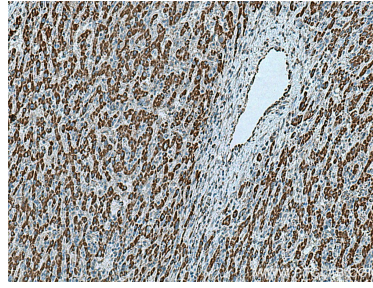
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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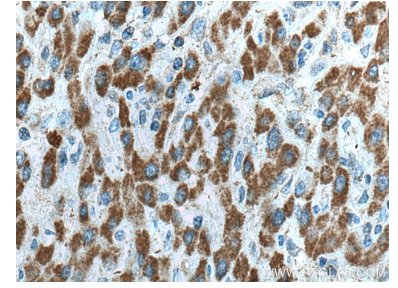
Selected Validation Data



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).