

For Research Use Only

HIBCH Monoclonal antibody

Catalog Number: 68157-1-Ig



Basic Information

Catalog Number: 68157-1-Ig	GenBank Accession Number: BC067822	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 26275	CloneNo.: 1B7B8
Source: Mouse	Full Name: 3-hydroxyisobutyryl-Coenzyme A hydrolase	Recommended Dilutions: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG2a	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG6473	Observed MW: 38 kDa	

Applications

Tested Applications:

IF, WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Positive Controls:

WB : HepG2 cells, Jurkat cells, K-562 cells, pig heart tissue, rabbit heart tissue, rat heart tissue

IF : HepG2 cells,

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).

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

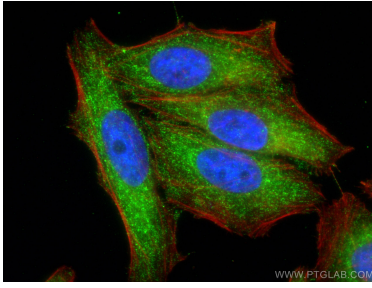
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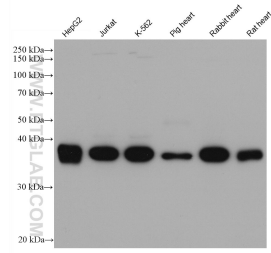
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIBCH antibody (68157-1-Ig, Clone: 1B7B8) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Various lysates were subjected to SDS PAGE followed by western blot with 68157-1-Ig (HIBCH antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.