

## Product datasheet for TA501317

### HIBCH Mouse Monoclonal Antibody [Clone ID: OTI3H5]

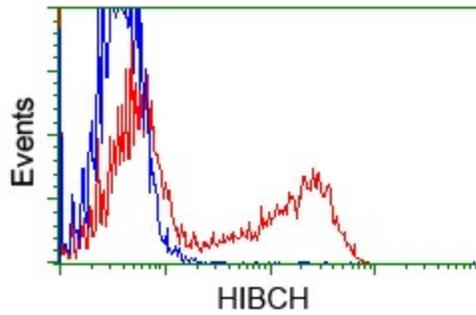
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3H5
Applications:	FC, IHC, WB
Recommend Dilution:	WB 1:1000~2000, IHC 1:50, FLOW 1:100
Reactivity:	Human, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HIBCH (NP_055177) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.9 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	39.4 kDa
Gene Name:	3-hydroxyisobutyryl-CoA hydrolase
Database Link:	<a href="#">NP_055177 Entrez Gene</a> <a href="#">607040 DogEntrez Gene</a> <a href="#">26275 Human</a>
Background:	This gene encodes the enzyme responsible for hydrolysis of both HIBYL-CoA and beta-hydroxypropionyl-CoA. Mutations in this gene have been associated with 3-hydroxyisobutyryl-CoA hydrolase deficiency. Alternative splicing results in multiple transcript variants.
Synonyms:	HIBYLCOAH
Protein Pathways:	beta-Alanine metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

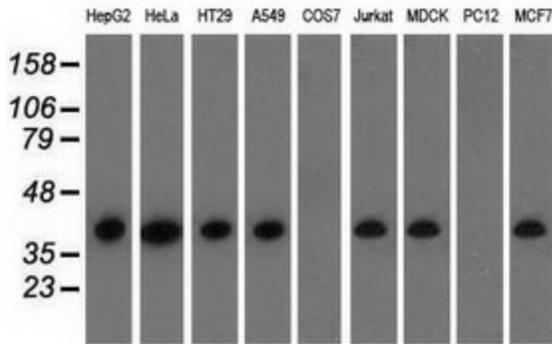


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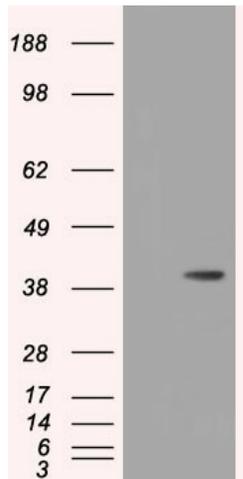
Product images:



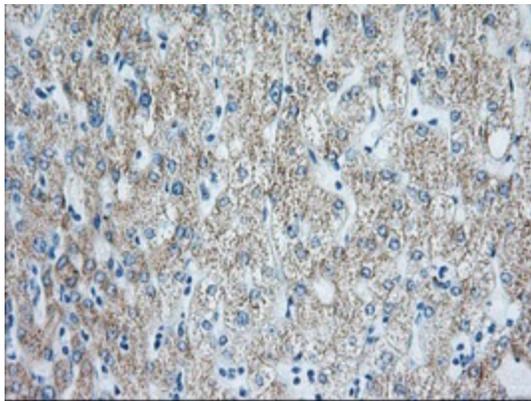
HEK293T cells transfected with either [RC209814] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HIBCH antibody (TA501317), and then analyzed by flow cytometry.



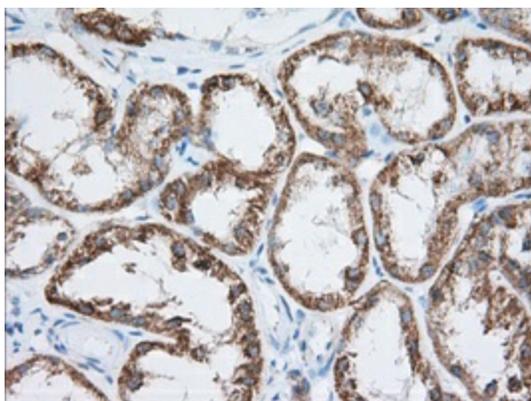
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HIBCH monoclonal antibody.



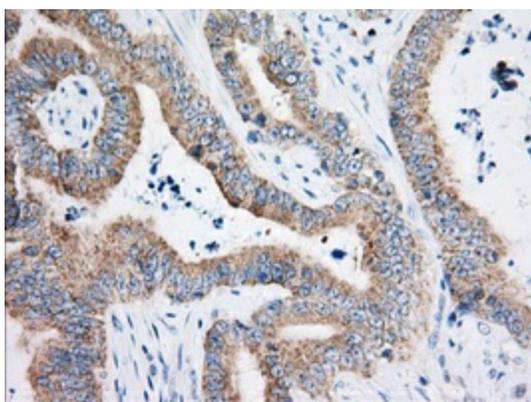
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HIBCH ([RC209814], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HIBCH. Positive lysates [LY402324] (100ug) and [LC402324] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-HIBCH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501317, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HIBCH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501317, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-HIBCH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501317, Dilution 1:50)