

Product datasheet for **TA501317S**

HIBCH Mouse Monoclonal Antibody [Clone ID: OTI3H5]

Product data:

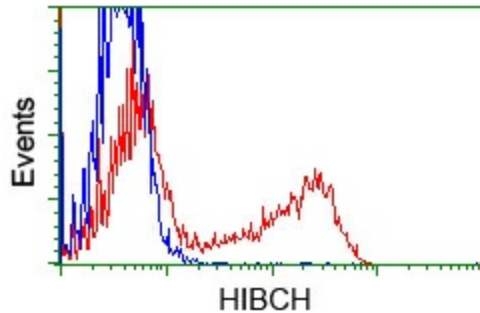
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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3H5 |
| Applications: | FC, IHC, WB |
| Recommended Dilution: | WB 1:1000~2000, IHC 1:50, FLOW 1:100 |
| Reactivity: | Human, Dog |
| Host: | Mouse |
| Isotype: | 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) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 39.4 kDa |
| Gene Name: | 3-hydroxyisobutyryl-CoA hydrolase |
| Database Link: | NP_055177 Entrez Gene 607040 Dog Entrez Gene 26275 Human Q6NVY1 |
| 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 |



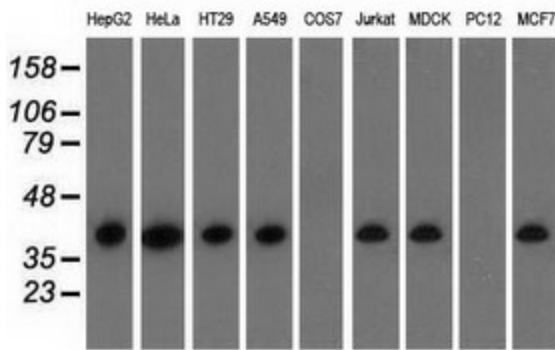
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Protein Pathways: beta-Alanine metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

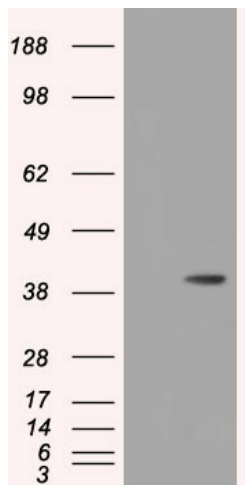
Product images:



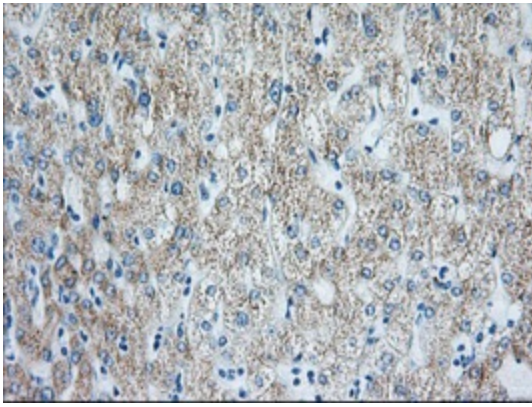
HEK293T cells transfected with either [RC209814] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HIBCH antibody ([TA501317]), and then analyzed by flow cytometry.



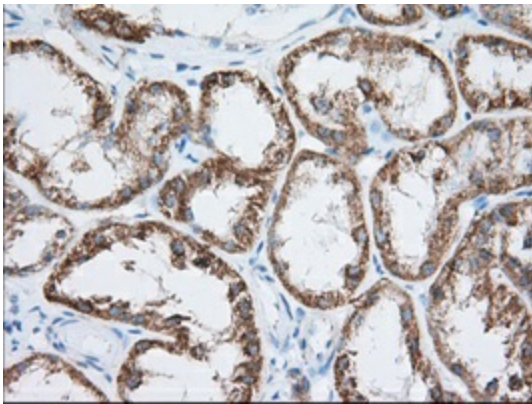
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HIBCH monoclonal antibody.



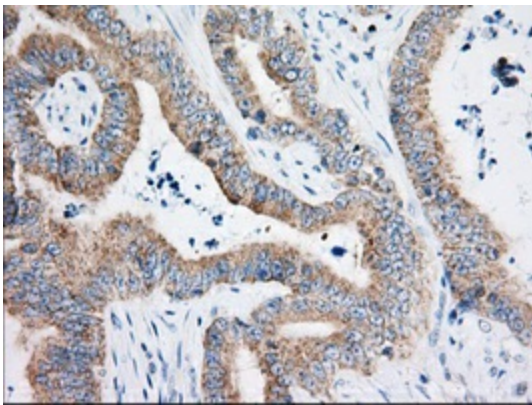
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HIBCH (Cat# [RC209814], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HIBCH(Cat# [TA501317]). Positive 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)