

Product datasheet for TA501316

OriGene Technologies, Inc.

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HIBCH Mouse Monoclonal Antibody [Clone ID: OTI3B10]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI3B10
Applications: FC, IF, WB

Recommended Dilution: WB 1:2000, IF 1:100, FLOW 1:100

Reactivity: Human
Host: Mouse
Isotype: IgG1

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: 0.6 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 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-hyroxyisobutyryl-

CoA hydrolase deficiency. Alternative splicing results in multiple transcript variants.

Synonyms: HIBYLCOAH

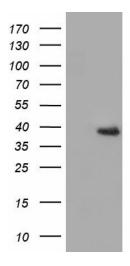




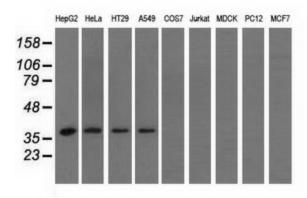
Protein Pathways:

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

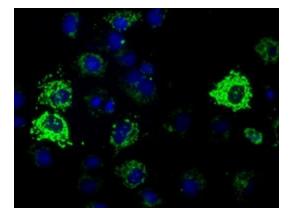
Product images:



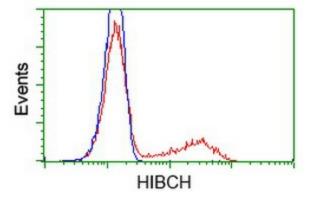
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HIBCH ([RC209814], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HIBCH. Positive lysates [LY402324] (100ug) and [LC402324]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



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



Anti-HIBCH mouse monoclonal antibody (TA501316) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HIBCH ([RC209814]).



HEK293T cells transfected with either [RC209814] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HIBCH antibody (TA501316), and then analyzed by flow cytometry.