

Product datasheet for **CF501291**

BDH2 Mouse Monoclonal Antibody [Clone ID: OTI4G4]

Product data:

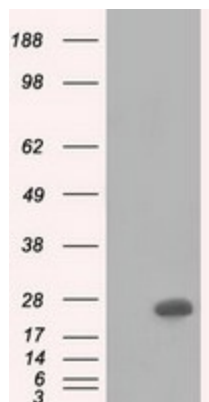
Product Type:	Primary Antibodies
Clone Name:	OTI4G4
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BDH2(NP_064524) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	26.5 kDa
Gene Name:	3-hydroxybutyrate dehydrogenase 2
Database Link:	NP_064524 Entrez Gene 69772 Mouse Entrez Gene 295458 Rat Entrez Gene 56898 Human Q9BUT1
Synonyms:	DHRS6; EFA6R; PRO20933; SDR15C1; UCPA-OR; UNQ6308
Protein Families:	Druggable Genome



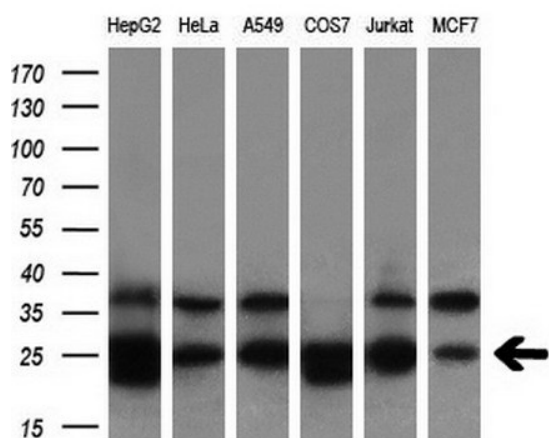
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Protein Pathways: Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies

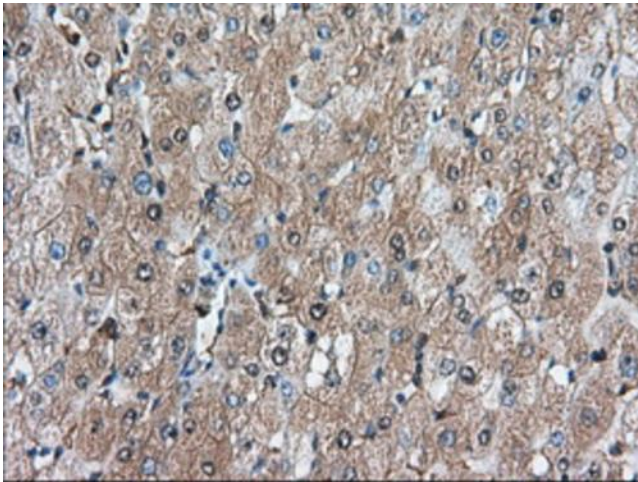
Product images:



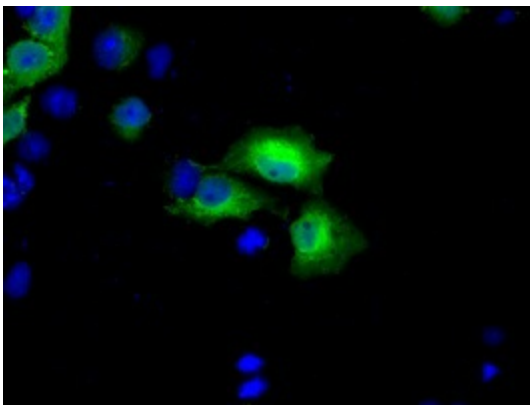
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BDH2 (Cat# [RC210586], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BDH2(Cat# [TA501291]). Positive lysates [LY402755] (100ug) and [LC402755] (20ug) can be purchased separately from OriGene.



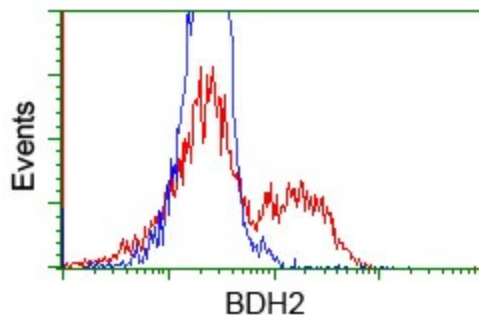
Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-BDH2 monoclonal antibody (1:200).



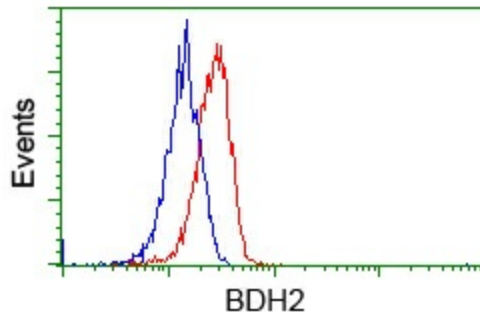
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-BDH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501291], Dilution 1:50)



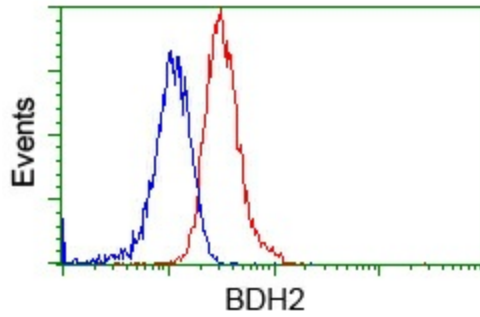
Anti-BDH2 mouse monoclonal antibody ([TA501291]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BDH2 ([RC210586]).



HEK293T cells transfected with either [RC210586] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BDH2 antibody ([TA501291]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-BDH2 antibody ([TA501291]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-BDH2 antibody ([TA501291]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).