

## Product datasheet for **TA501291**

### **BDH2 Mouse Monoclonal Antibody [Clone ID: OTI4G4]**

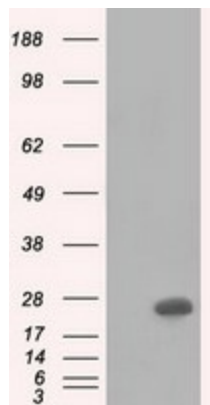
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI4G4
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommend Dilution:</b>	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human BDH2(NP_064524) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.73 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Predicted Protein Size:</b>	26.5 kDa
<b>Gene Name:</b>	3-hydroxybutyrate dehydrogenase 2
<b>Database Link:</b>	<a href="#">NP_064524</a> <a href="#">Entrez Gene 56898 Human</a>
<b>Synonyms:</b>	DHRS6; EFA6R; PRO20933; SDR15C1; UCPA-OR; UNQ6308
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies

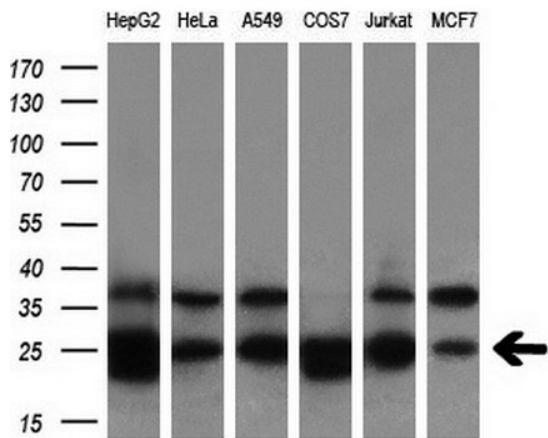


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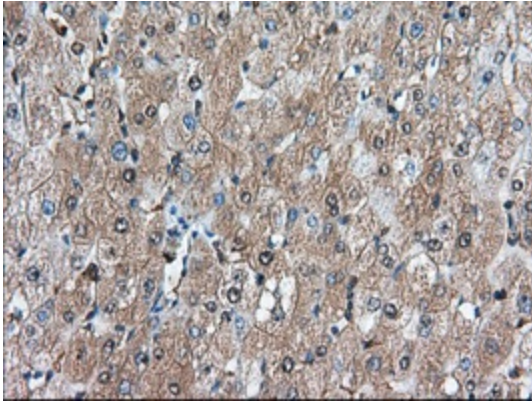
Product images:



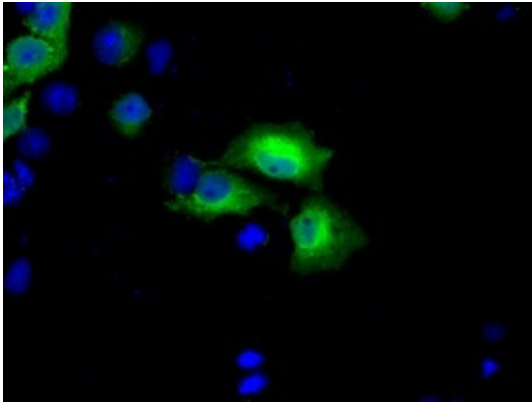
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BDH2 ([RC210586], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BDH2. Positive lysates [LY402755] (100ug) and [LC402755]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



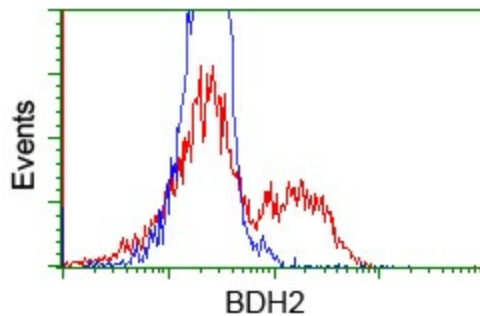
Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-BDH2 monoclonal antibody (1:200).



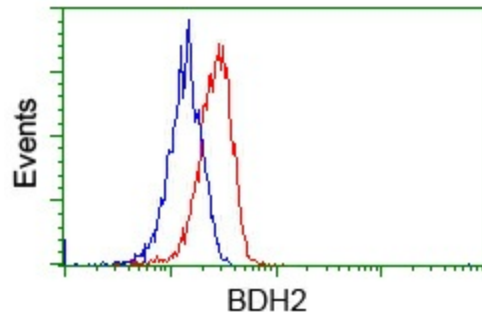
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-BDH2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501291, Dilution 1:50)



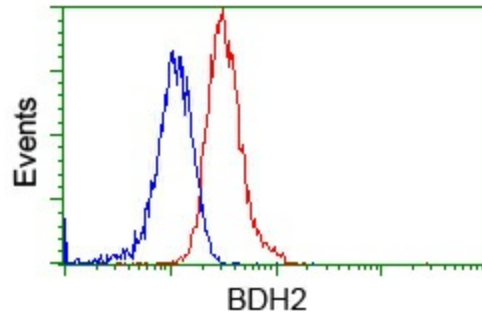
Anti-BDH2 mouse monoclonal antibody (TA501291) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BDH2 ([RC210586]).



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).