

Product Name: KD-Validated BDH2 Mouse Monoclonal Antibody**Catalog #: KVA00592**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 26.7kDa

Antigen Information

Gene Name	BDH2 BDH2; 3-Hydroxybutyrate Dehydrogenase 2; SDR15C1; PRO20933; UCPA-OR; UNQ6308; DHRS6; Short Chain Dehydrogenase/Reductase Family 15C Member 1; Dehydrogenase/Reductase SDR Family Member 6; 3-Hydroxybutyrate Dehydrogenase, Type 2; (R)-Beta-Hydroxybutyrate Dehydrogenase; 4-Oxo-L-Proline Reductase; Oxidoreductase
Alternative Names	UCPA; FLJ13261; Short Chain Dehydrogenase/Reductase Family 15C, Member 1; Dehydrogenase/Reductase (SDR Family) Member 6; 3-Hydroxybutyrate Dehydrogenase Type 2; R-Beta-Hydroxybutyrate Dehydrogenase; EC 1.1.1.104; EC 1.1.1.30; EC 1.1.1.-; EFA6R
Gene ID	56898.0
SwissProt ID	Q9BUT1
Immunogen	Recombinant protein of human BDH2

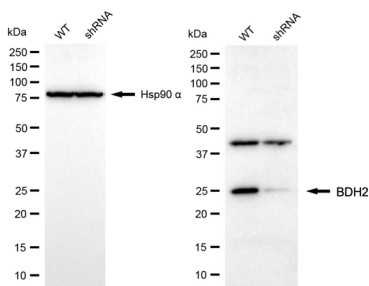
Background

Enables 3-hydroxybutyrate dehydrogenase activity and NAD binding activity. Involved in epithelial cell differentiation and fatty acid beta-oxidation. Located in cytosol. [provided by Alliance of Genome Resources, Jul 2025]

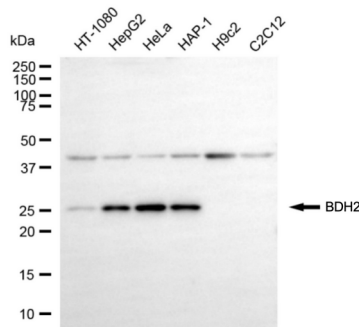
Research Area

Cardiovascular, Signal Transduction, Cell Biology, Metabolism

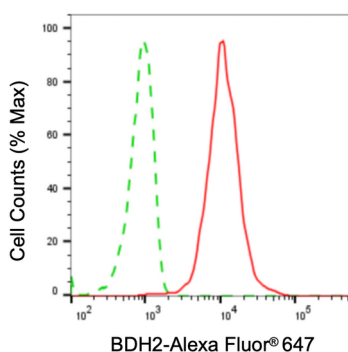
Image Data



Western blotting analysis using BDH2 antibody (KVA00592). BDH2 expression in wild type (WT) and BDH2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BDH2 antibody (KVA00592, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using BDH2 antibody (KVA00592). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BDH2 antibody (KVA00592, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of BDH2 expression in HepG2 cells using BDH2 antibody (KVA00592, 1:1,000). Green, isotype control; red, BDH2.