

**[ Primary Antibody ]**

**BioSS**  
ANTIBODIES

www.bjoss.com.cn

sales@bioass.com.cn

techsupport@bioss.com.cn

400-901-9800

## — DATASHEET

**Host:** Rabbit

**Isotype:** IgG

**Applications: Flow-Cyt** (3ug/Test)

**Clonality:** Polyclonal

**GeneID:** 622

**SWISS:** 002338

**Target:** BDH1

**Immunogen:** KLH conjugated synthetic peptide derived from human BDH1: 241-343/343.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

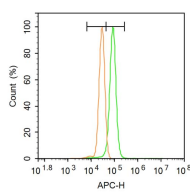
**Background:** This gene encodes a member of the short-chain dehydrogenase/reductase gene family. The encoded protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. The encoded protein catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced during fatty acid catabolism. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008].

**Reactivity:** Human (predicted: Mouse, Rat, Rabbit, Horse)

**Predicted MW.:** 33 kDa

**Subcellular Location:** Cytoplasm

## — VALIDATION IMAGES



Blank control: A431. Primary Antibody (green line): Rabbit Anti-BDH1 antibody (bs-5041R) Dilution:  $1\mu\text{g}/10^6$  cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution:  $1\mu\text{g}/\text{test}$ . Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## — SELECTED CITATIONS

- **[IF=4.225]** Li H et al . Trimetazidine Ameliorates Myocardial Metabolic Remodeling in Isoproterenol-Induced Rats Through Regulating Ketone Body Metabolism via Activating AMPK and PPAR  $\alpha$  Front Pharmacol. 2020 Aug 14;11:1255. Other ;. 32922293
- **[IF=4.225]** Li Huihui. et al. Trimetazidine Ameliorates Myocardial Metabolic Remodeling in Isoproterenol-Induced Rats

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Through Regulating Ketone Body Metabolism via Activating AMPK and PPAR  $\alpha$ . Front Pharmacol. 2020 Aug;11:1255 WB  
;Rat. 32922293