

EnoGene

BDH1 Mouse Monoclonal Antibody

E10-30003

Background: BDH1 (3-hydroxybutyrate dehydrogenase, type 1), it is a member of the short-chain dehydrogenase/reductase gene family. This protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. It catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced during fatty acid catabolism.

Catalog Number: E10-30003

Amount: 100 μ g/100 μ l

Clone Number: 1A5

Species: Mouse IgG1

MW 38kDa

Aliases: BHD

Entrez Gene: 622

Immunogen: Purified recombinant fragment of human BDH1 expressed in E. Coli.

Storage: Store at 4 $^{\circ}$ C for long term storage, store at

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, ELISA: Propose dilution 1/10000.

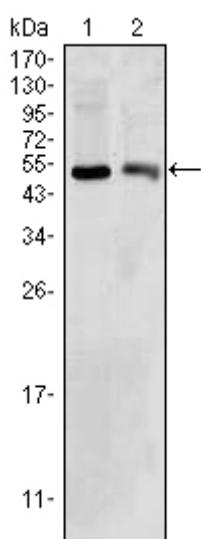


Figure 1: Western blot analysis using BDH1 mouse mAb against HepG2 (1) and NIH/3T3 (2) cell lysate.

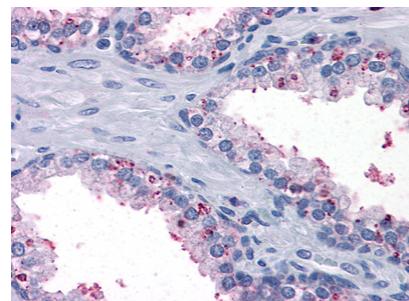


Figure 2: Immunohistochemical analysis of paraffin-embedded human Prostate tissues using anti-BDH1 mouse mAb.

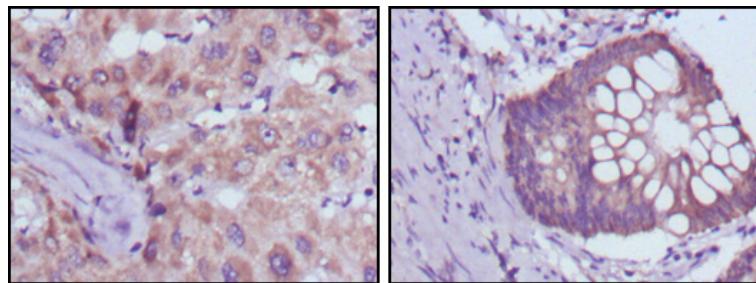


Figure 3: Immunohistochemical analysis of paraffin-embedded human liver cancer (left) and colorectal cancer tissues (right) using BDH1 mouse mAb with DAB staining.