

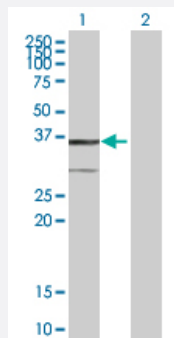
MaxPab®

# BDH1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000622-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of BDH1 expression in transfected 293T cell line ([H00000622-T01](#)) by BDH1 MaxPab polyclonal antibody.

Lane 1: BDH1 transfected lysate(37.73 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human BDH1 protein.

### Immunogen

BDH1 (NP\_004042.1, 1 a.a. ~ 343 a.a) full-length human protein.

### Sequence

MLATRLSRPLSRLPGKTLACDRENGARRPLLLGSTSFPIGRRTYASAAEPVGSKAVLVTGCDSG  
FGFSLAKHLHSGFLVFAGCLMKDKGHDGVKELDSLNSDRLRTVQLNVCSSSEEVEKVVEMRSS  
LKDPEKGMWGLVNNAGISTFGEVEFTSLETYKQVAEVLWGTVMKTSFLPLIRRAKGRVVNISS  
MLGRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSLYSPESIQAIKKMW  
EELPEVVRKDYGKKYFDEKIAKMETYCSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRM  
QIMTHLPGAISDMYR

### Host

Mouse

### Reactivity

Human

### Interspecies Antigen Sequence

Mouse (86); Rat (87)

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

### Storage Buffer

In 1x PBS, pH 7.4

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — BDH1

Entrez GeneID [622](#)

GeneBank Accession# [NM\\_004051.4](#)

Protein Accession# [NP\\_004042.1](#)

Gene Name BDH1

Gene Alias BDH, MGC2723, MGC4347, MGC9788, SDR9C1

Gene Description 3-hydroxybutyrate dehydrogenase, type 1

Omim ID [603063](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** (R)-3-hydroxybutyrate dehydrogenase|3-hydroxybutyrate dehydrogenase|3-hydroxybutyrate dehydrogenase (heart, mitochondrial)|D-beta-hydroxybutyrate dehydrogenase, mitochondrial|short chain dehydrogenase/reductase family 9C, member 1

## Pathway

- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Synthesis and degradation of ketone bodies](#)