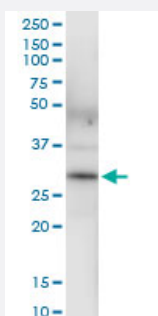


# BDH1 (Human) IP-WB Antibody Pair

Catalog # H00000622-PW1

Size 1 Set

## Applications



Immunoprecipitation of BDH1 transfected lysate using rabbit polyclonal anti-BDH1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-BDH1.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (85%); Rat (86%)
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of BDH1 transfected lysate using rabbit polyclonal anti-BDH1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse purified polyclonal anti-BDH1.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-BDH1 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-BDH1 (50 ug)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — BDH1

**Entrez GeneID** [622](#)

**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](#)