

DNAxPAb

Hard-to-Find
Antibody

BDH1 DNAxPab

Catalog # H00000622-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human BDH1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLATRLSRPLSRLPGKTLACDRENGARRPLLLGSTSFPIGRRTYASAAEPVGSKAVLVTGCDSG FGFSLAKHLHSGFLVFAGCLMKDKGHDGVKELDSLNSDRLRTVQLNVCSSSEVEKVVEMRSS LKDPEKGMWGLVNNAGISTFGEVEFTSLETYKQVAEVLNLTGTVRMTKSFLPLIRRAKGRVNNISS MLGRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSLYSPESIQAIKKMW EELPEVVRKDYGKKYFDEKIAKMETYCSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRM QIMTHLPGAISDMYIR
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)