

BDH1 rabbit monoclonal antibody

Catalog # H00000622-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human BDH1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human BDH1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BDH1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — BDH1

Entrez GeneID	622
GeneBank Accession#	BDH1
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](#)