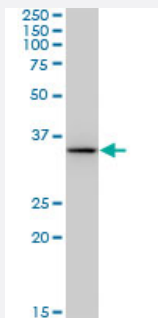


BDH1 monoclonal antibody (M03A), clone 4B3

Catalog # H00000622-M03A

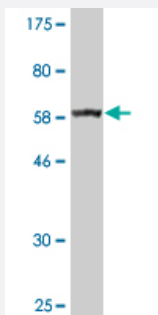
Size 200 uL

Applications



Western Blot (Cell lysate)

BDH1 monoclonal antibody (M03A), clone 4B3. Western Blot analysis of BDH1 expression in Raw 264.7 (Cat # L024V1).



Western Blot detection against Immunogen (63.47 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant BDH1.

Immunogen

BDH1 (AAH11964, 1 a.a. ~ 343 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MLATRLSRPLSRPLPGKTLACDRENGARRPLLLGSTSFPIGRRTYASAAEPVGSKAVLVTGCDSG
FGFSLAKHLHSGFLVFAGCLMKDKGHDGVKELDSLNSDRLRTVQLNVCSSSEVEKVVEMRSS
LKDPEKGMWGLVNNAGISTFGEVEFTSLETYKQVAEVLNWTVMKTSFLPLIRRAKGRVNNISS
MLGRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSLYSPESIQAIKKMW
EELPEVVRKDYGKKYFDEKIAKMETYCSSGSTDTSPVIDAVTHALTATTPYTRYHPMDYYWWLRM
QIMTHLPGAISDMIYR

Host

Mouse

Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (86); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (63.47 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

BDH1 monoclonal antibody (M03A), clone 4B3. Western Blot analysis of BDH1 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BDH1

Entrez GeneID	622
GeneBank Accession#	BC011964
Protein Accession#	AAH11964
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](#)