



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## BDH1 monoclonal antibody (M03), clone 4B3

Catalog # : H00000622-M03

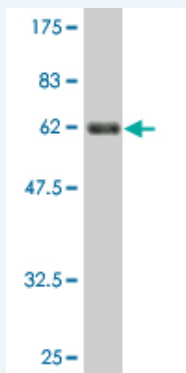
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full-length recombinant BDH1.
<b>Immunogen:</b>	BDH1 (AAH11964, 1 a.a. ~ 343 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MLATRLSRPLSRPLPGKTLSDRENGARRPLLLGSTSFIPIGRRTYASAA EPVGSKAVLVTGCDSGFGFSLAKHLHSGFLVFAGCLMKDKGHDGVKE LDLSNSDRLRTVQLNVCSSSEVEKVVIVRSSLKDKPEKGMWGLVNNAGIS TFGEVEFTSLETYKQVAEVNLTWGTVRMTKSFPLIRRAKGRVNVNISM GRMANPARSPYCITKFGVEAFSDCLRYEMYPLGVKVSVEPGNFIAATSL YSPESIQAIKKMWEELPEVVRKDYGKKYFDEKIAKMETYCSSGSDTSP VIDAVTHALTATTPYTRYHPMDYYWWLRMQIMTHLPGAISDMIYIR
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human, Mouse
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (63.47 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

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

**MSDS:** [Download](#)

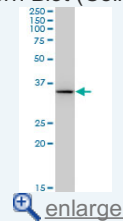
**Datasheet:** [Download](#)

### Applications

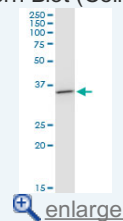
Western Blot (Cell lysate)

### Application Image

Western Blot (Cell lysate)

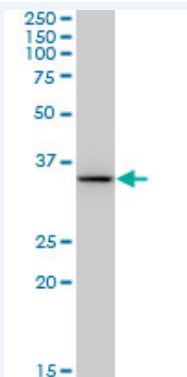


Western Blot (Cell lysate)



Western Blot (Recombinant protein)

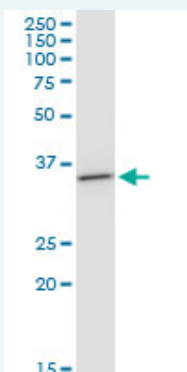
ELISA



BDH1 monoclonal antibody (M03), clone 4B3. Western Blot analysis of BDH1 expression in Raw 264.7 ( Cat # L024V1 ).

[Protocol Download](#)

#### Western Blot (Cell lysate)



BDH1 monoclonal antibody (M03), clone 4B3. Western Blot analysis of BDH1 expression in NIH/3T3(Cat # L018V1 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [622](#)

GeneBank [BC011964](#)

Accession#:

Protein [AAH11964](#)

Accession#:

Gene Name: BDH1

Gene Alias: BDH,MGC2723,MGC4347,MGC9788,SDR9C1

Gene Description: 3-hydroxybutyrate dehydrogenase, type 1

Description:

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

#### Gene Pathway

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

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