Mouse BDH2 Monoclonal Antibody | anti-BDH2 antibody

BDH2 antibody

CATALOG #	HOST	APPLICATIONS
AAA106505	**Mouse**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

BDH2; Monoclonal Antibody; BDH2 antibody; Monoclonal BDH2; Anti-BDH2; 3-Hydroxybutyrate Dehydrogenase Type 2; DHRS6; EFA6R; FLJ13261; PRO20933; UCPA-OR; UNQ6308; BDH 2; BDH-2; anti-BDH2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3G10
Purity/Purification	BDH2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	245
Applicable Applications for anti-BDH2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	BDH2 is a dehydrogenase that mediates the formation of 2, 5-dihydroxybenzoic acid (2, 5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin and associates with LCN2, thereby playing a key role in iron homeostasis and transport. It also acts as a 3-hydroxybutyrate dehydrogenase.
Cross-Reactivity	Human
Immunogen	BDH2 antibody was raised in mouse using a full length recombinant protein of human BDH2 (NP_064524) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BDH2 protein using BDH2 antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of BDH2 protein in paraffin embedded Human pancreas tissue using BDH2 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BDH2 protein (Right) or empty vector (Left) detected with BDH2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BDH2 antibody	Mouse monoclonal BDH2 antibody
Product Categories/Family for anti-BDH2 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	66933014
NCBI GeneID	56898
NCBI Accession #	NP_064524
NCBI GenBank Nucleotide #	NM_020139.3
UniProt Accession #	Q9BUT1; Q503A0; Q6IA46; Q6UWD3; Q9H8S8; Q9NRX8; A8K295; B4DUF6
Molecular Weight	15,626 Da
NCBI Official Full Name	3-hydroxybutyrate dehydrogenase type 2
NCBI Official Synonym Full Names	3-hydroxybutyrate dehydrogenase, type 2
NCBI Official Symbol	BDH2
NCBI Official Synonym Symbols	DHRS6; EFA6R; SDR15C1; UCPA-OR; UNQ6308; PRO20933
NCBI Protein Information	3-hydroxybutyrate dehydrogenase type 2
UniProt Protein Name	3-hydroxybutyrate dehydrogenase type 2
UniProt Gene Name	**BDH2**
UniProt Synonym Gene Names	DHRS6; SDR15C1
UniProt Entry Name	BDH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/bdh2-antibody-clone-3g10-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106505