

For Research Use Only

BDH2 Monoclonal antibody

Catalog Number: 68279-1-Ig **Featured Product**



Basic Information

Catalog Number: 68279-1-Ig	GenBank Accession Number: BC095414	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 56898	CloneNo.: 1B6H5
Source: Mouse	Full Name: 3-hydroxybutyrate dehydrogenase, type 2	Recommended Dilutions: WB 1:5000-1:50000 IF 1:200-1:800
Isotype: IgG1	Observed MW: 27 kDa	
Immunogen Catalog Number: AG26108		

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : BxPC-3 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells IF : HepG2 cells,

Background Information

Cytosolic type 2-hydroxybutyrate dehydrogenase, BDH2, originally named DHRS6, plays a physiological role in the cytosolic utilization of ketone bodies, which can subsequently enter mitochondria and the tricarboxylic acid cycle (PMID: 16380372). Moreover, BDH2 catalyzes the production of 2, 3-DHBA during enterobactin biosynthesis and participates in 24p3 (LCN2)-mediated iron transport and apoptosis (PMID: 23150981). It has 3 isoforms with molecular weights of 27, 19, and 16 kDa.

Storage

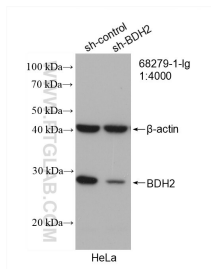
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

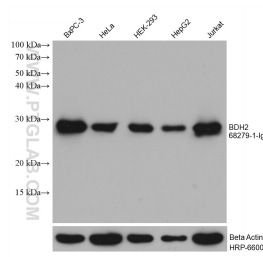
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

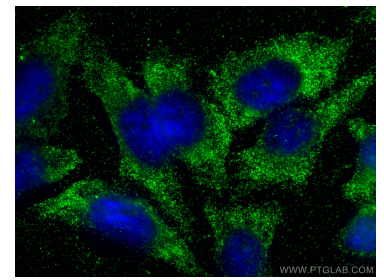
Selected Validation Data



WB result of BDH2 antibody (68279-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BDH2 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 68279-1-Ig (BDH2 antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours. The membrane was stripped and rebotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using BDH2 antibody (68279-1-Ig, Clone: 1B6H5) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).