

Datasheet

GPD2 monoclonal antibody (M02), clone 2C11-1F4

Catalog Number: H00002820-M02

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant GPD2.

Clone Name: 2C11-1F4

Immunogen: GPD2 (AAH19874, 1 a.a. ~ 378 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MAFQKAVKGTLVGGGALATVLGLSQFAHYRRKQMNL
AYVKAADCISEPVNREPPSREAQLLTLQNTSEFDILVIG
GGATGSGCALDAVTRGLKTALVERDDFSSGTSSRSTK
LIHGGVRYLQKAIMKLDIEQYRMVKEALHERANLLEIAP
HLSAPLPIMLPVYKWWQLPYYWVGKLYDLVAGSNCL
KSSYVLSKSRALHFPMQLQDKLVGAIVYYDGQHND
RMNLAIALTAARYGAATANYMEVVSLKKTDPTGKV
HVSGARCKDVLTGQEFDVRAKCVINATGPFTDSVRKM
DDKDAAAICQPSAGVHIVMPGYSPESMGLLDPATSD
GRVIFLPWQKMTIAGTTDPTDVTTHPIPSEEDINFIL
NEV

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 2820

Gene Symbol: GPD2

Gene Alias: GDH2, GPDM, mGPDH

Gene Summary: Mitochondrial glycerophosphate dehydrogenase (EC 1.1.99.5), or GPD2, is located on the outer surface of the inner mitochondrial membrane and catalyzes the unidirectional conversion of glycerol-3-phosphate (G-3-P) to dihydroxyacetone phosphate (DHAP) with concomitant reduction of the enzyme-bound FAD. Together with a cytosolic NAD-linked GPD (GPD1; MIM 138420), GPD2 forms the glycerol phosphate shuttle, which uses the interconversion of G-3-P and DHAP to transfer reducing equivalents into mitochondria, resulting in the reoxidation of NADH formed during glycolysis.[supplied by OMIM]