

GPD2 (AB3644) Rabbit mAb

M2652

Key Features

Host Species

- Rabbit

Reactivity

- Human, Rat

Applications

- WB, IHC-P, ELISA

MW

- 81 kDa (calculated)
- 68 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IHC-P, ELISA

Dilution

WB, 1:500-1:1000 | IHC-P, 1:50-1:200 | ELISA, Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% proclin300.

Basic Information

Clonality Monoclonal

Clone Number AB3644

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 43 - 325 of human GPD2.

Specificity This antibody detects endogenous levels of GPD2 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name GPD2

Protein Name GPD2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P43304	2820

Background The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH formed during glycolysis. Two transcript variants encoding the same protein have been found for this gene.