

**GPD2 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12502b****Specification**

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**GPD2 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P43304](#)

**GPD2 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 2820

**Other Names**

Glycerol-3-phosphate dehydrogenase, mitochondrial, GPD-M, GPDH-M, mtGPD, GPD2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GPD2 Antibody (C-term) Blocking peptide - Protein Information**

**Name** GPD2 ([HGNC:4456](#))

**Function**

Calcium-responsive mitochondrial glycerol-3-phosphate dehydrogenase which seems to be a key component of the pancreatic beta- cell glucose-sensing device.

**Cellular Location**

Mitochondrion.

**GPD2 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**GPD2 Antibody (C-term) Blocking peptide - Images****GPD2 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene localizes to the innermitochondrial membrane and catalyzes the

conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GPD1, 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.

#### **GPD2 Antibody (C-term) Blocking peptide - References**

Barber, M.J., et al. PLoS ONE 5 (3), E9763 (2010) ; Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009) Daoud, H., et al. Hum. Genet. 124(6):649-658(2009) Chowdhury, S.K., et al. Free Radic. Res. 41(10):1116-1124(2007) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)