

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

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)