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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 ofglycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as acofactor. Along with GDP1, the encoded protein constitutes theglycerol phosphate shuttle, which reoxidizes NADH formed duringglycolysis. Two transcript variants encoding the same protein havebeen 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)