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Product datasheet for AP51906PU-N

GPD2 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 605-634 amino acids from the C-terminal region of human GPD2
Specificity:	This antibody reacts to GPD2.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	67kd Isoform 2. 80853 Da
Gene Name:	glycerol-3-phosphate dehydrogenase 2
Database Link:	Entrez Gene 2820 Human P43304

View online »

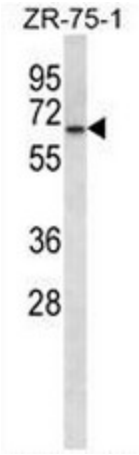
Background: The protein encoded by this gene localizes to the inner mitochondrial membrane and catalyzes the conversion of glycerol-3-phosphate to dihydroxyacetone phosphate, using FAD as a cofactor. Along with GDP1, the encoded protein constitutes the glycerol phosphate shuttle, which reoxidizes NADH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

Synonyms: Glycerol-3-phosphate dehydrogenase, GPD-M, mtGPD

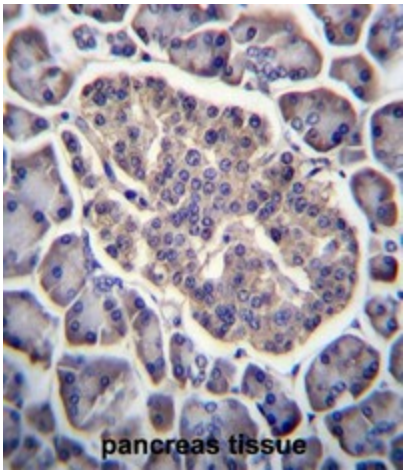
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Glycerophospholipid metabolism

Product images:



GPD2 Antibody (C-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the GPD2 antibody detected the GPD2 protein (arrow).



GPD2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GPD2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.