# GPD1 antibody

## Product Information

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| Catalog No.: | FNab03579 |
| Size: | 100μg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.) |

## Background

This gene encodes a member of the NAD-dependent glycerol-3-phosphate dehydrogenase family. The encoded protein plays a critical role in carbohydrate and lipid metabolism by catalyzing the reversible conversion of dihydroxyacetone phosphate (DHAP) and reduced nicotine adenine dinucleotide (NADH) to glycerol-3-phosphate (G3P) and NAD+. The encoded cytosolic protein and mitochondrial glycerol-3-phosphate dehydrogenase also form a glycerol phosphate shuttle that facilitates the transfer of reducing equivalents from the cytosol to mitochondria. Mutations in this gene are a cause of transient infantile hypertriglyceridemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

## Immunogen information

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| Immunogen: | glycerol-3-phosphate dehydrogenase 1 (soluble) |
| Synonyms: | Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic (GPD-C, GPDH-C)\|GPD1 |
| Observed MW: | 38 kDa |
| Uniprot ID : | P21695 |

## Application

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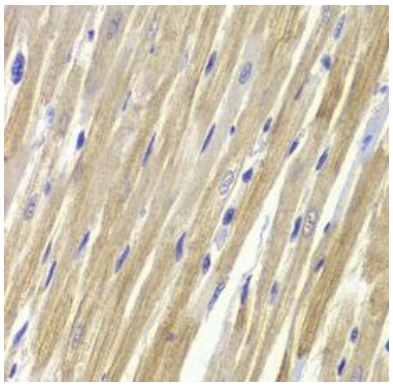
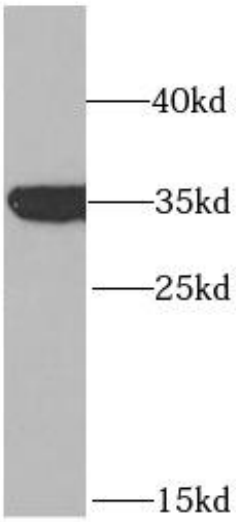
| Reactivity: | Human, Mouse, Rat |
| Tested Application: | ELISA, WB, IHC |

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded rat heart using FNab03579(GPD1 antibody) at dilution of 1:100




mouse kidney tissue were subjected to SDS PAGE followed by western blot with FNab03579(GPD1 antibody) at dilution of 1:1000