

Product Name: GPDA Rabbit Polyclonal Antibody
Catalog #: APRab11608



Summary

Production Name	GPDA Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GPD1
Alternative Names	
Gene ID	2819.0
SwissProt ID	P21695. Synthesized peptide derived from human protein . at AA range: 210-290

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:5000-20000
Molecular Weight	38kDa

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

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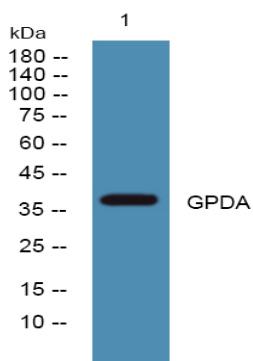


phosphate (DHAP) and reduced nicotine adenine dinucleotide (NADH) to glycerol-3-phosphate (G3P) and NAD⁺. The encoded cytosolic protein and mitochondrial glycerol-3-phosphate dehydrogenase also form a glycerol phosphate shuttle that facilitates the transfer of reducing equivalents from the cytosol to 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. [provided by RefSeq, Mar 2012],catalytic activity:sn-glycerol 3-phosphate + NAD(+) = glycerone phosphate + NADH.,enzyme regulation:Inhibited by zinc ions and sulfate.,similarity:Belongs to the NAD-dependent glycerol-3-phosphate dehydrogenase family.,subunit:Homodimer.,

Research Area

Glycerophospholipid metabolism;

Image Data



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night

Note

For research use only.