
Product Name: GPDA Rabbit Polyclonal Antibody**Catalog #: APRab11608**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Application

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

Antigen Information

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

Background

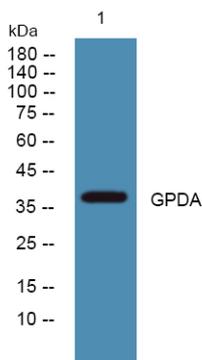
This gene encodes a member of the NAD-dependent glycerol-3-phosphate dehydrogenase family. The encoded protein plays a critical role in carbohydrate and lipid metabolism by catalyzing the reversible conversion of dihydroxyacetone phosphate (DHAP) and reduced nicotinate adenine dinucleotide (NADH) to 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, GPDA Rabbit Polyclonal Antibody was diluted at 1:1000, 4°over night