

Anti-GPD1 Antibody (5L507)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5L507
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GPD1 / Glycerolphosphate Dehydrogenase 1 protein (TMPY-03755)
Antigen Species:	Human
Synonyms:	HTGTI;GPDH-C;GPD-C;glycerol-3-phosphate dehydrogenase 1 (soluble)

Research Background

GPD1 (Glycerol-3-Phosphate Dehydrogenase 1) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. GPD1 is 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⁺. It also reduces nicotine adenine dinucleotide (NADH) to glycerol-3-phosphate (G3P) and NAD⁺. Meanwhile, GPD1 and mitochondrial glycerol-3-phosphate dehydrogenase also form a glycerol phosphate shuttle that facilitates the transfer of reducing equivalents from the cytosol to mitochondria. Diseases associated with GPD1 include Hypertriglyceridemia, Transient Infantile, and Myopathy, Distal, 1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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