

# GPD1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8507a

## Product Information

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<b>Application</b>	IHC-P, FC, WB, E
<b>Primary Accession</b>	<a href="#">P21695</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21027
<b>Calculated MW</b>	37568
<b>Antigen Region</b>	28-57

## Additional Information

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<b>Gene ID</b>	2819
<b>Other Names</b>	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic, GPD-C, GPDH-C, GPD1
<b>Target/Specificity</b>	This GPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-57 amino acids from the N-terminal region of human GPD1.
<b>Dilution</b>	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	GPD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GPD1 ( <a href="#">HGNC:4455</a> )
<b>Function</b>	Has glycerol-3-phosphate dehydrogenase activity.
<b>Cellular Location</b>	Cytoplasm.

## Background

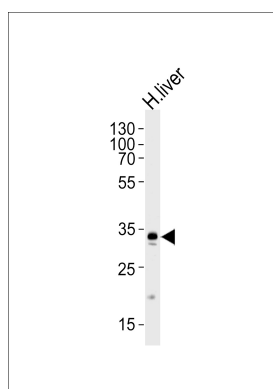
GRB14, GPD1, and GDF8 as potential network collaborators in weight loss-induced improvements in insulin action in human skeletal muscle.

## References

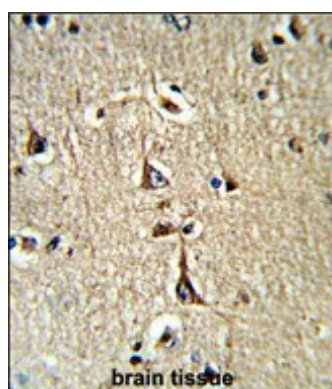
Krasnov,G.S., et.al., Mol. Biol. (Mosk.) 43 (2), 348-356 (2009)

Park,J.J., et.al., Physiol. Genomics 27 (2), 114-121 (2006)

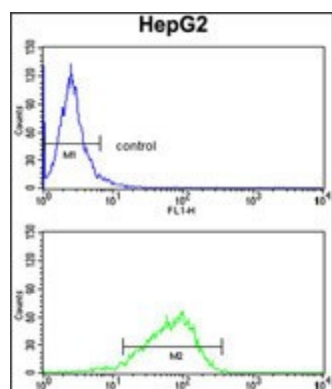
## Images



Western blot analysis of lysate from human liver tissue lysate, using GPD1 Antibody (N-term)(Cat. #AP8507a). AP8507a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



Formalin-fixed and paraffin-embedded human brain tissue reacted with GPD1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



GPD1 Antibody (N-term) (Cat.#AP8507a) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.