

Rabbit anti-Human GPD1 Polyclonal Antibody | anti-GPD1 antibody

GPD1 Antibody (N-term)

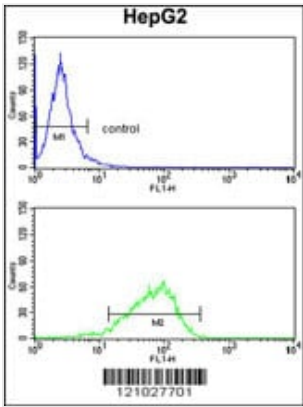
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286697	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

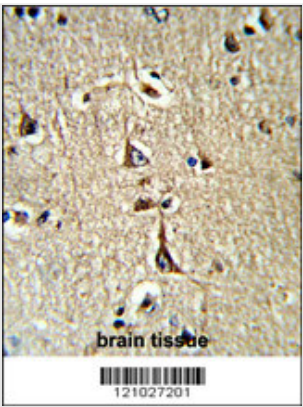
GPD1; Polyclonal Antibody; GPD1 Antibody (N-term); Glycerol-3-phosphate dehydrogenase [NAD(+)]; cytoplasmic; GPD-C; GPDH-C; anti-GPD1 antibody

PRODUCT SPECIFICATIONS

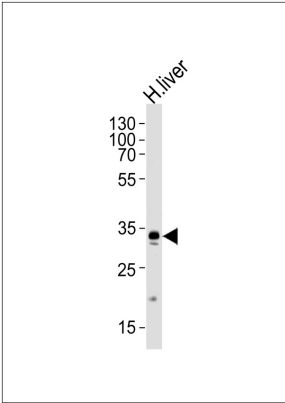
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-57 amino acids from the N-terminal region of human GPD1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	28-57
Sequence Length	326
Applicable Applications for anti-GPD1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
GPD1 Antibody (N-term) 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.



IHC (Immunohistochemistry)
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.



WB (Western Blot)
Western blot analysis of lysate from human liver tissue lysate, using GPD1 Antibody (N-term). AAA286697 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GPD1 antibody	GRB14, GPD1, and GDF8 as potential network collaborators in weight loss-induced improvements in insulin action in human skeletal muscle.
Product Categories/Family for anti-GPD1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	380714668
NCBI GeneID	2819
NCBI Accession #	NP_001244128.1; NP_005267.2
NCBI GenBank Nucleotide #	NM_001257199.1
UniProt Accession #	P21695; Q8N1B0; F8W1L5
Molecular Weight	37568

NCBI Official Full Name	glycerol-3-phosphate dehydrogenase
NCBI Official Synonym Full Names	glycerol-3-phosphate dehydrogenase 1 (soluble)
NCBI Official Symbol	GPD1
NCBI Official Synonym Symbols	GPD-C; HTGTI; GPDH-C
NCBI Protein Information	glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic
UniProt Protein Name	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic
UniProt Gene Name	GPD1
UniProt Synonym Gene Names	GPD-C; GPDH-C
UniProt Entry Name	GPDA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpd1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286697>