

Rabbit GPD2 Polyclonal Antibody | anti-GPD2 antibody

GPD2 Antibody

CATALOG # AAA323230	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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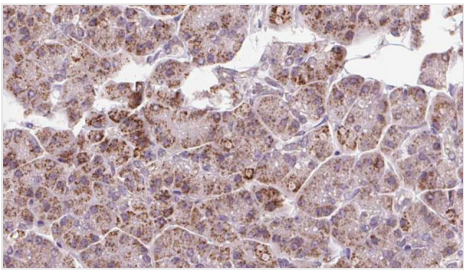
PRODUCT SYNONYMS

GPD2; Polyclonal Antibody; GPD2 Antibody; GDH2; Glycerol 3 phosphate dehydrogenase 2 (mitochondrial); Glycerol 3 phosphate dehydrogenase 2; Glycerol 3 phosphate dehydrogenase mitochondrial; Glycerol-3-phosphate dehydrogenase; GPD 2; GPD M; GPD-M; gpd2; GPDH M; GPDH-M; GPDM; GPDM_HUMAN; mGPDH; mitochondrial; Mitochondrial glycerophosphate dehydrogenase; mtGPD; OTTHUMP00000162788; OTTHUMP00000204452; OTTHUMP00000204453; OTTHUMP00000204458; anti-GPD2 antibody

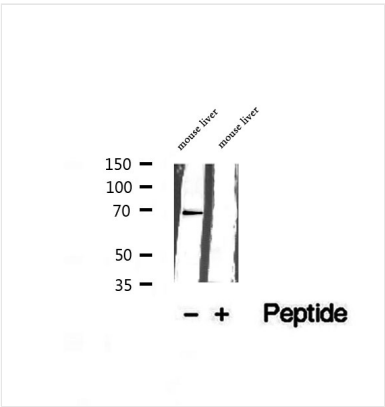
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GPD2 antibody detects endogenous levels of GPD2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	727
Applicable Applications for anti-GPD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPD2.
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323230 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using GPD2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GPD2 antibody	Function: sn-glycerol 3-phosphate + a quinone = glycerone phosphate + a quinol. Similarity: Belongs to the FAD-dependent glycerol-3-phosphate dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	285002233
NCBI GeneID	2820
NCBI Accession #	NP_000399.3
NCBI GenBank Nucleotide #	NM_000408.4
UniProt Accession #	P43304; Q59FR1; Q9HAP9; A8K4V0; B3KSA9
Molecular Weight	Observed: 68 kDa Predicted: 81 kDa
NCBI Official Full Name	glycerol-3-phosphate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	glycerol-3-phosphate dehydrogenase 2
NCBI Official Symbol	GPD2
NCBI Official Synonym Symbols	GDH2; GPDM; mGPDH
NCBI Protein Information	glycerol-3-phosphate dehydrogenase, mitochondrial
UniProt Protein Name	Glycerol-3-phosphate dehydrogenase, mitochondrial
UniProt Gene Name	GPD2
UniProt Synonym Gene Names	GPD-M; GPDH-M

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/gpd2-antibody-immunohistochemistry-western-blot-elisa/323230>