

Rabbit anti-Human Glycogen phosphorylase, liver form Polyclonal Antibody | anti-PYGL antibody

Rabbit anti-human Glycogen phosphorylase, liver form polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229200	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

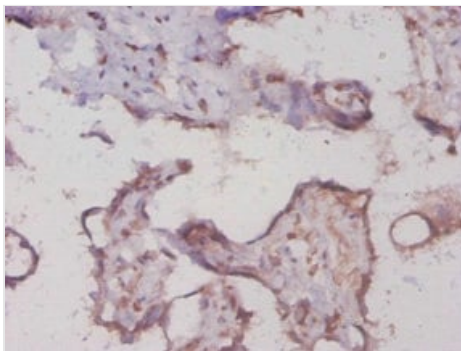
PRODUCT SYNONYMS

Glycogen phosphorylase; liver form; Polyclonal Antibody; Rabbit anti-human Glycogen phosphorylase; liver form polyclonal Antibody; PYGL; anti-PYGL antibody

PRODUCT SPECIFICATIONS

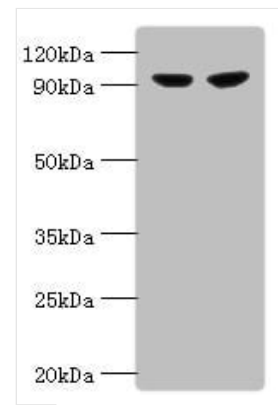
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	813
Applicable Applications for anti-PYGL antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Glycogen phosphorylase, liver form protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-46347 / sc-66913
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA229200 at dilution of 1:20



WB (Western Blot)

Western blotAll lanes: Glycogen phosphorylase, liver form antibody at 2ug/mlLane 1:293T whole cell lysateLane 2:HepG2 whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 98,94 kDaObserved band size: 97 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PYGL antibody	Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties. This gene encodes a homodimeric protein that catalyses the cleavage of alpha-1,4-glucosidic bonds to release glucose-1-phosphate from liver glycogen stores. This protein switches from inactive phosphorylase B to active phosphorylase A by phosphorylation of serine residue 15. Activity of this enzyme is further regulated by multiple allosteric effectors and hormonal controls. Humans have three glycogen phosphorylase isozymes that are primarily expressed in liver, brain and muscle, respectively. The liver isozyme serves the glycemic demands of the body in general while the brain and muscle isozymes supply just those tissues. In glycogen storage disease type VI, or Hers disease, mutations in liver glycogen phosphorylase inhibit the conversion of glycogen to glucose and results in moderate hypoglycemia, mild ketosis, growth retardation and hepatomegaly. Alternative splicing results in multiple transcript variants encoding different isoforms.
Product Categories/Family for anti-PYGL antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	255653002
NCBI GeneID	5836
NCBI Accession #	NP_001157412.1
NCBI GenBank Nucleotide #	NM_001163940.1
UniProt Accession #	P06737; O60567; O60752; O60913; Q501V9; Q641R5; Q96G82; A6NDQ4; B4DUB7; F5H816
Molecular Weight	93,134 Da
NCBI Official Full Name	glycogen phosphorylase, liver form isoform 2
NCBI Official Synonym Full Names	phosphorylase, glycogen, liver
NCBI Official Symbol	PYGL
NCBI Official Synonym Symbols	GSD6
NCBI Protein Information	glycogen phosphorylase, liver form
UniProt Protein Name	Glycogen phosphorylase, liver form
UniProt Gene Name	PYGL
UniProt Entry Name	PYGL_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/glycogen-phosphorylase-liver-form-antibody-immunohistochemistry-western-blot-elisa/229200>