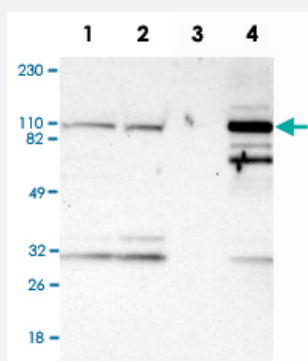


# PYGL polyclonal antibody

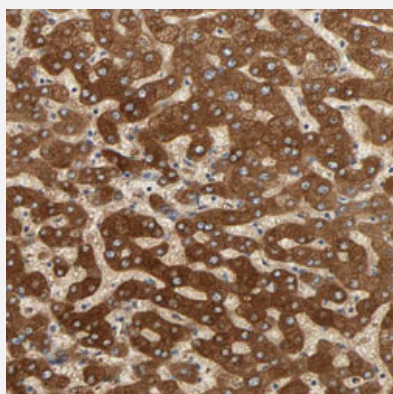
Catalog # PAB30670      Size 100 uL

## Applications



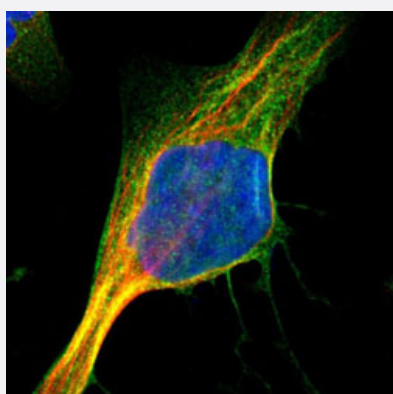
### Western Blot

Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted) and Lane 4: human liver lysates with PYGL polyclonal antibody (Cat # PAB30670).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with PYGL polyclonal antibody (Cat # PAB30670) shows strong cytoplasmic positivity in hepatocytes.



### Immunofluorescence

Immunofluorescent staining of U-2 OS with PYGL polyclonal antibody (Cat # PAB30670) (Green) shows positivity in plasma membrane and cytoplasm.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human PYGL.
<b>Immunogen</b>	Recombinant protein corresponding to human PYGL.
<b>Sequence</b>	VVAATLQDIIRRFKASKFGSTRGAGTVFDAPDQVAIQLNDTHPALAIPELMRIFVDIEKLPWSKAW ELTQKTFAYTNHTVLPEALERWPVDLVEKLLPRHLEIYEINQKHLDRIVALFPKDVDRRLRRMSLI
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: RT-4, Lane 2: U-251MG sp, Lane 3: human plasma (IgG/HSA depleted) and Lane 4: human liver lysates with PYGL polyclonal antibody (Cat # PAB30670).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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## Gene Info — PYGL

Entrez GeneID	<a href="#">5836</a>
Protein Accession#	<a href="#">P06737</a>
Gene Name	PYGL
Gene Alias	GSD6
Gene Description	phosphorylase, glycogen, liver
Omim ID	<a href="#">232700</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	Hers disease glycogen phosphorylase, liver glycogen storage disease type VI phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)

## Pathway

- [Insulin signaling pathway](#)
- [Starch and sucrose metabolism](#)

## Disease

- [Diabetes Mellitus](#)
- [Hepatomegaly](#)
- [Tobacco Use Disorder](#)