

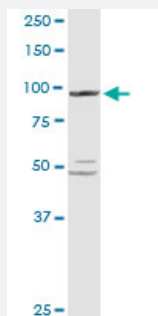
MaxPab®

PYGL MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005836-D01

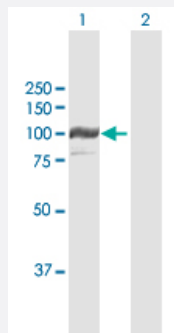
Size 100 uL

Applications



Western Blot (Tissue lysate)

PYGL MaxPab rabbit polyclonal antibody. Western Blot analysis of PYGL expression in human liver.

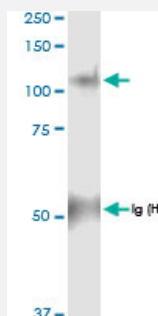


Western Blot (Transfected lysate)

Western Blot analysis of PYGL expression in transfected 293T cell line ([H00005836-T02](#)) by PYGL MaxPab polyclonal antibody.

Lane 1: PYGL transfected lysate(97.10 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PYGL transfected lysate using anti-PYGL MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PYGL MaxPab rabbit polyclonal antibody (D01) ([H00005836-D01](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PYGL protein.

Immunogen	PYGL (NP_002854.3, 1 a.a. ~ 847 a.a) full-length human protein.
Sequence	MAKPLTDQEKRRQISIRGIVGVENVAELKKSFNRLHFTLVKDRNVATTRDYFALAHTVRDHLVG RWIRTQQHHYDKCPKRYYLSLEFYMGRTLQNTMINLGLQNACDEAIYQLGLDIEELEEEIEDAGLG NGGLGRLAACFLDSMATLGLAAYGYGIRYEYGFNQKIRDGWQVEEADDWLRYGNPWEKSPEF MLPVHFYKGVEHTNTGTKWIDTQVVLALPYDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVG DYQAVLDRNLAENISRVLYPNDNFEGKELRLKQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFD AFPDQVAIQLNDTHPALAIPELMRIFVDIEKLPWSKAWELTQKTFAYTNHTVLPEALERWPVDLVE KLLPRHLEIYEINQKHLDRIVALFPKDVDRRLRRMSLIEEEGSKRINMAHLCIVGSHAVNGVAKIHSDIV KTKVFKDFSELEPDKFQNKTNGITPRRWLLCNPGLAELIAEKIGEDYVKDLSQLTKLHSFLGDDV FLRELAKVKQENKLKFSQFLETEYKVKINPSSMFDVQVKRIHEYKRQLLNCLHVITMYNRIKKDPKK LFVPRTVIIGGKAAPGYHMAKMIKLITSVADVNNNDPMVGSKLKVIFLENYRVSLAEKVIPATDLSE QISTAGTEASGTGNMKFMLNGALTIGTMDGANVEMAEAGEENLFI FGMRIDDVAALDKKGYEAK EYREALPELKLVIDQIDNGFFSPKQPDLFKDIIINMLFYHDFKVFADYEAYVKCQDKVSQLYMNPKA WNTMVLKNAASGKFSSDRTIKEYAQNIWNVEPSDLKISLSNESNKVNGN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — PYGL

Entrez GeneID [5836](#)

GeneBank Accession# [NM_002863.3](#)

Protein Accession# [NP_002854.3](#)

Gene Name PYGL

Gene Alias GSD6

Gene Description phosphorylase, glycogen, liver

Omim ID [232700](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

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](#)