

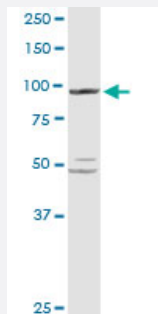
MaxPab®

PYGL purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005836-D01P

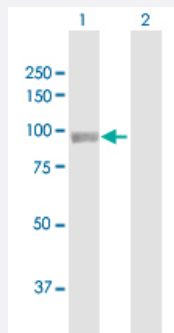
Size 100 ug

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.

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	MAKPLTDQEKRRQISIRGIVGVENVAELKKSFNRHLHFTLVKDNRVATTRDYYFALAHTVRDHLVG RWIRTQQHYDYKCPKRVYLSLEFYMGRTLQNTMINLGLQNACDEAIYQLGLDIEELEEEEDAGLG NGGLGRLAACFLDSMATLGLAAYGYGIRYEYGFNQKIRDGWQVEEADDWLRYGNPWEKSRPEF MLPVHFYGKVEHTNTGTKWIDTQVVLALPYDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVG DYQAVLDRNLAENISRVLYPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFD AFPDQVAIQLNDTHPALAIPELMRIFVDIEKLPWSKAWELTQKTFAYTNHTVLPEALERWPVDLVE KLLPRHLEIYEINQKHLDRIVALFPKDVDRRLRRMSLIEEEGSKRINMAHLCIVGSHAVNGVAKIHSDIV KTKVFKDFSELEPKDFQNKTNGITPRRWLLLCNPGLAELIAEKIGEDYVKDLSQLTKLHSFLGDDV FLRELAKVKQENKLKFSQFLETEYKVKINPSSMFDVQVKRIHEYKRQLLNCLHVITMYNRIKKDPKK LFVPRTVIIGGKAAPGYHMAKMIKLITSVADVNNNDPMVGSKLKVIFLENYRVSLAEKVIPATDLSE QISTAGTEASGTGNMFKMLNGALTIGTMDGANVEMAEAEAGEENLFI FGMRIDDVAALDKKGYEAK EYREALPELKLVIDQIDNGFFSPKQPDFKDIINMLFYHDFKVFADYEAAYKCQDKVSQLYMNPKA WNTMVLKNIAASGKFSSDRTIKEYAQNIWNVEPSDLKISLSNESNKVNGN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
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](#)

- 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.

[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](#)