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PYGL Polyclonal Antibody

Catalog Number **PA5-33012**

Product data sheet

Details	
Size	50 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Synthetic 10 amino acid peptide from internal region of human PYGL.
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Dog, Human

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Dog (100%); Gibbon, Marmoset, Panda (90%); Mouse, Sheep, Hamster, Horse, Rabbit (80%). For IHC(P), use heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

Background/Target Information

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 genes that encode distinct 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, also known as 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.

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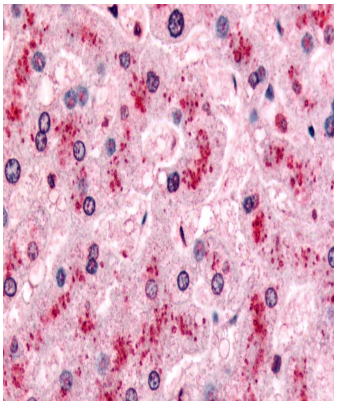
Product Images For PYGL Polyclonal Antibody



PYGL Antibody (PA5-33012) in IHC (P)

Immunohistochemistry analysis of PYGL in human liver. Samples were incubated with PYGL polyclonal antibody (Product # PA5-33012). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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