



## Datasheet for ABIN7262605 anti-PYGL antibody



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	200 µL
Target:	PYGL
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PYGL antibody is un-conjugated
Application:	Immunofluorescence (IF)

#### Product Details

Immunogen:	Recombinant fusion protein of human PYGL (NP_002854.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

#### Target Details

Target:	PYGL
Alternative Name:	PYGL ( <a href="#">PYGL Products</a> )
Background:	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

## Target Details

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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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Gene ID: 5836

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UniProt: [P06737](#)

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Pathways: [Carbohydrate Homeostasis](#), [Cellular Glucan Metabolic Process](#)

## Application Details

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Application Notes: IF 1:50-1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

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Preservative: Sodium azide

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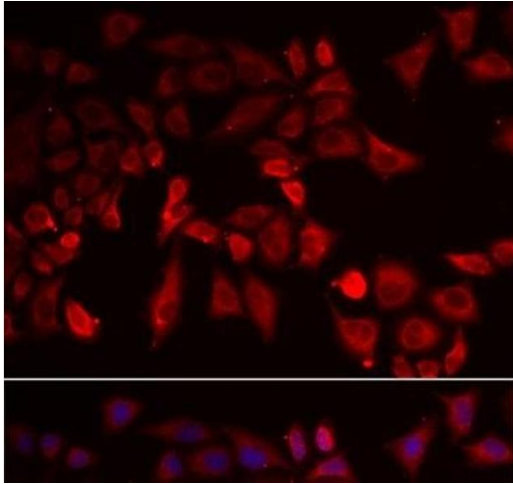
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of MCF-7 cells using PYGL Polyclonal Antibody