Rabbit PYGL Polyclonal Antibody | anti-PYGL antibody

PYGL Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279973	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

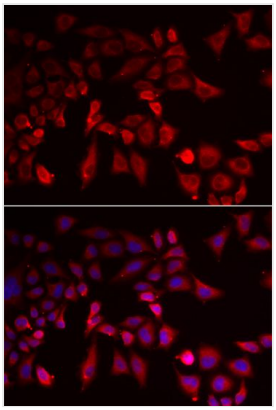
PRODUCT SYNONYMS

PYGL; Polyclonal Antibody; PYGL Polyclonal Antibody; GSD6; anti-PYGL antibody

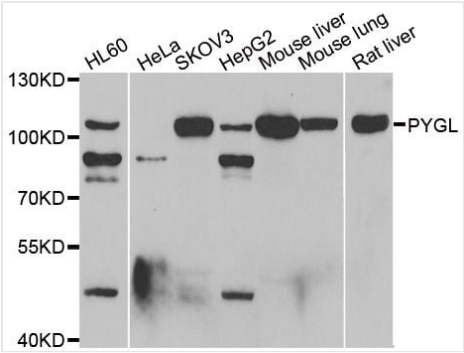
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Sequence Length	847
Applicable Applications for anti-PYGL antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant protein of human PYGL
Calculated Molecular Weight	97kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of MCF-7 cells using PYGL antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using PYGL antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PYGL antibody	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.
Product Categories/Family for anti-PYGL antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	6648082
NCBI GeneID	5836
UniProt Accession #	P06737; O60567; O60752; O60913; Q501V9; Q641R5; Q96G82; A6NDQ4; B4DUB7; F5H816
NCBI Official Full Name	Glycogen phosphorylase, liver form
NCBI Official Synonym Full Names	phosphorylase, glycogen, liver
NCBI Official Symbol	PYGL
NCBI Official Synonym Symbols	GSD6
NCBI Protein Information	glycogen phosphorylase, liver form
UniProt Protein Name	Glycogen phosphorylase, liver form
UniProt Gene Name	**PYGL**
UniProt Entry Name	PYGL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pygl-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279973