

Rabbit anti-Human, Mouse PYGL Polyclonal Antibody | anti-PYGL antibody

Rabbit anti-PYGL Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212643	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

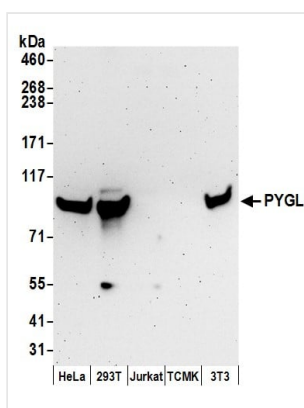
PRODUCT SYNONYMS

PYGL; Polyclonal Antibody; Rabbit anti-PYGL Antibody; Affinity Purified; glycogen phosphorylase; liver form; GSD6; phosphorylase; glycogen; liver; Glycogen phosphorylase; glycogen phosphorylase L; anti-PYGL antibody

PRODUCT SPECIFICATIONS

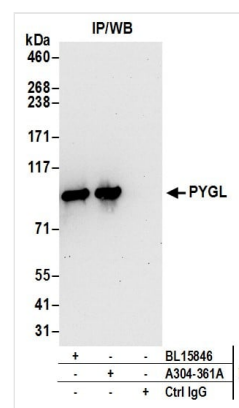
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PYGL antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 797 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse PYGL by western blot. Samples: Whole cell lysate (50 ug) prepared using NETN buffer from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-PYGL antibody AAA212643 (lot AAA212643-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human PYGL by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using RIPA buffer from 293T cells. Antibodies: Affinity purified rabbit anti-PYGL antibody AAA212643 (lot AAA212643-1) used for IP at 6 ug per reaction. PYGL was also immunoprecipitated by rabbit anti-PYGL antibody BL15846. For blotting immunoprecipitated PYGL, AAA212643 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PYGL antibody	Glycogen phosphorylase, liver form, (PYGL) 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 [taken from NCBI Entrez Gene (Gene ID: 5836)].
Product Categories/Family for anti-PYGL antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	71037379
NCBI GeneID	5836
NCBI Accession #	NP_002854.3
NCBI GenBank Nucleotide #	NM_002863.4
UniProt Accession #	P06737; O60567; O60752; O60913; Q501V9; Q641R5; Q96G82; A6NDQ4; B4DUB7; F5H816
Molecular Weight	93,134 Da
NCBI Official Full Name	glycogen phosphorylase, liver form isoform 1
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-immunoprecipitation-western-blot-elisa/212643>