

Rabbit PYGB Polyclonal Antibody | anti-PYGB antibody

PYGB Antibody

CATALOG # AAA323132	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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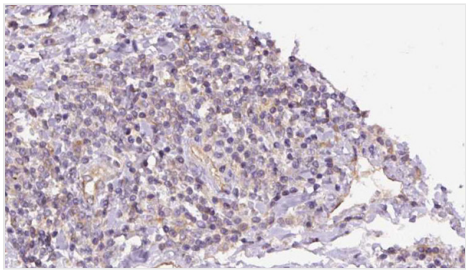
PRODUCT SYNONYMS

PYGB; Polyclonal Antibody; PYGB Antibody; Brain glycogen phosphorylase; Glycogen phosphorylase B; Glycogen phosphorylase brain form; Glycogen Phosphorylase Isoenzyme BB; Glycogen phosphorylase; brain form; MGC9213; Phosphorylase glycogen brain; PYGB_HUMAN; anti-PYGB antibody

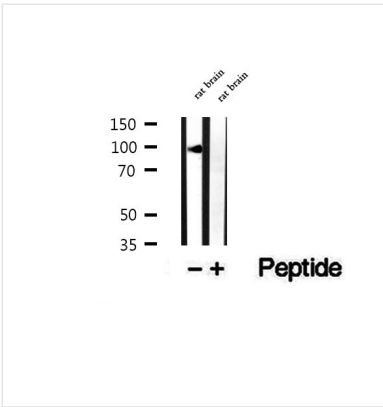
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PYGB antibody detects endogenous levels of PYGB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	843
Applicable Applications for anti-PYGB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PYGB.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323132 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of rat brain tissue, using PYGB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PYGB antibody	Function: Glycogen phosphorylase that regulates glycogen mobilization (PubMed:27402852). Phosphorylase is an important allosteric enzyme in carbohydrate metabolism (PubMed:3346228). Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates (PubMed:3346228). However, all known phosphorylases share catalytic and structural properties (PubMed:3346228). Subunit Structure: Homodimer. Dimers associate into a tetramer to form the enzymatically active phosphorylase A. Post-translational Modifications: Phosphorylated (PubMed:27402852). Phosphorylation of Ser-15 converts phosphorylase B (unphosphorylated) to phosphorylase A (By similarity). Similarity: Belongs to the glycogen phosphorylase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361370
NCBI GeneID	5834
NCBI Accession #	NP_002853.2
NCBI GenBank Nucleotide #	NM_002862.3
UniProt Accession #	P11216; Q96AK1; Q9NPX8
Molecular Weight	Observed: 97 kDa Predicted: 97 kDa
NCBI Official Full Name	glycogen phosphorylase, brain form
NCBI Official Synonym Full Names	glycogen phosphorylase B
NCBI Official Symbol	PYGB
NCBI Official Synonym Symbols	GPBB
NCBI Protein Information	glycogen phosphorylase, brain form
UniProt Protein Name	Glycogen phosphorylase, brain form
UniProt Gene Name	PYGB

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.