



Rabbit Anti-Human PYGB Polyclonal Antibody (CABT-L2116)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Polyclonal Antibody to Glycogen Phosphorylase, Brain (Knockout Validated) |
| Specificity | The antibody is a rabbit polyclonal antibody raised against PYGB. It has been selected for its ability to recognize PYGB in immunohistochemical staining and western blotting. |
| Target | PYGB |
| Immunogen | Recombinant fragment corresponding to human PYGB (Pro477~Glu731) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse |
| Purification | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| Conjugate | Unconjugated |
| Applications | WB |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 200 µg |
| Buffer | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| Preservative | 0.05% Proclin-300 |

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| Storage | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| Ship | 4°C with ice bags |

BACKGROUND

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| Introduction | The protein encoded by this gene is a glycogen phosphorylase found predominantly in the brain. The encoded protein forms homodimers which can associate into homotetramers, the enzymatically active form of glycogen phosphorylase. The activity of this enzyme is positively regulated by AMP and negatively regulated by ATP, ADP, and glucose-6-phosphate. This enzyme catalyzes the rate-determining step in glycogen degradation. [provided by RefSeq, Jul 2008] |
| Keywords | GPBB |

GENE INFORMATION

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|----------------------------|--|
| Gene Name | PYGB phosphorylase, glycogen; brain [Homo sapiens (human)] |
| Official Symbol | PYGB |
| Synonyms | PYGB; phosphorylase, glycogen; brain; GPBB; glycogen phosphorylase, brain form; glycogen phosphorylase B; |
| Entrez Gene ID | 5834 |
| Protein Refseq | NP_002853 |
| UniProt ID | P11216 |
| Chromosome Location | 20p11.21 |
| Pathway | Disease; Glucose metabolism; Glycogen Metabolism; Glycogen breakdown (glycogenolysis); Glycogen storage diseases; Insulin signaling pathway; Metabolic pathways; Metabolism; |
| Function | glycogen phosphorylase activity; pyridoxal phosphate binding; |