

PYGB rabbit monoclonal antibody

Catalog # H00005834-K

Size 100 ug x up to 3

Specification

| | |
|-------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against a human PYGB peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human PYGB is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human PYGB peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PYGB

Entrez GeneID [5834](#)

GeneBank Accession# [PYGB](#)

Gene Name PYGB

Gene Alias MGC9213

Gene Description phosphorylase, glycogen; brain

Omim ID [138550](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000030488|brain glycogen phosphorylase|glycogen phosphorylase B

Pathway

- [Insulin signaling pathway](#)
- [Starch and sucrose metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)

- [Intracranial Hemorrhages](#)
- [Neuroblastoma](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)