

## Rabbit GPBB / PYGB Polyclonal Antibody | anti-GPBB antibody

Rabbit Polyclonal to Human GPBB / PYGB

| CATALOG # | HOST   | REACTIVITY                                                 | APPLICATIONS         |
|-----------|--------|------------------------------------------------------------|----------------------|
| AAA50659  | Rabbit | Human, Monkey<br>Predicted Reactivity: Mouse, Bat, Hamster | Immunohistochemistry |

### PRODUCT SYNONYMS

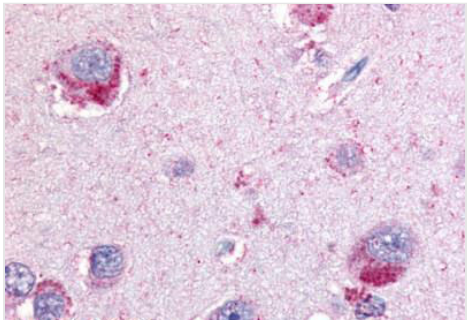
GPBB / PYGB; Polyclonal Antibody; Rabbit Polyclonal to Human GPBB / PYGB; PYGB; GPBB; Phosphorylase; glycogen; glycogen brain; Glycogen phosphorylase B; anti-GPBB antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                     |
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| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                     | Human, Monkey<br>Predicted Reactivity: Mouse, Bat, Hamster                                                                                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                                    | Human PYGB. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                                                                   |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                    | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length                                | 843                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-GPBB antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                          |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen Description                          | Synthetic 10 amino acid peptide from internal region of human PYGB.                                                                                                                                                                                                                                                                                                 |
| Epitope                                        | Internal                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                      | GPBB / PYGB antibody was raised against synthetic 10 amino acid peptide from internal region of human PYGB. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Elephant (100%); Mouse, Bat, Hamster, Opossum, Platypus (90%); Rat, Dog, Panda, Horse, Rabbit, Lizard, Salmon, Pufferfish, Zebrafish (80%). |
| Antigen Modification                           | Internal                                                                                                                                                                                                                                                                                                                                                            |
| Disclaimer                                     | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.                                               |

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| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> <p><b>Preparation and Storage</b><br/>Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.</p> |
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IMAGES



**IHC (Immunohistochemistry)**  
Anti-PYGB antibody IHC of human brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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                                       |
| NCBI Official Full Name          | glycogen phosphorylase, brain form                           |
| NCBI Official Synonym Full Names | phosphorylase, glycogen; brain                               |
| NCBI Official Symbol             | PYGB                                                         |
| NCBI Official Synonym Symbols    | GPBB                                                         |
| NCBI Protein Information         | glycogen phosphorylase, brain form; glycogen phosphorylase B |
| UniProt Protein Name             | Glycogen phosphorylase, brain form                           |
| UniProt Gene Name                | <b>PYGB</b>                                                  |
| UniProt Entry Name               | PYGB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpbb-pygb-antibody-immunohistochemistry-elisa/50659>