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Datasheet for ABIN1402798
anti-PYGB antibody (AbBy Fluor® 488)

Overview

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|--------------|--|
| Quantity: | 100 µL |
| Target: | PYGB (GPBB) |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PYGB antibody is conjugated to AbBy Fluor® 488 |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human GPBB/PYGB |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | PYGB (GPBB) |
| Alternative Name: | GPBB (GPBB Products) |
| Background: | Synonyms: Brain glycogen phosphorylase, Glycogen phosphorylase B, Glycogen phosphorylase brain form, Glycogen Phosphorylase Isoenzyme BB, Glycogen phosphorylase, brain form, MGC9213, Phosphorylase glycogen brain, PYGB, PYGB_HUMAN. Background: Glycolysis is an evolutionarily conserved series of ten chemical reactions that |

Target Details

utilizes eleven enzymes to concomitantly generate pyruvate and ATP from glucose. fructose kinase-2/fructose 2,6-bisphosphatase (PFK-2) stimulates the synthesis and degradation of fructose 2,6-bisphosphate. Glycogen phosphorylase (also known as GP) is an allosteric enzyme important in carbohydrate metabolism. Its activity is regulated through either noncovalent binding of metabolites or by covalent modification. Glycogen phosphorylase catalyzes the phosphorylation of glycogen to Glc-1-P. There are three genes which encode the brain, liver and muscle forms of glycogen phosphorylase, PYGB, PYGL and PYGM. Because of its fundamental role in the metabolism of glycogen, glycogen phosphorylase has been a target for the design of inhibitory compounds, which could be valuable in the therapeutic treatment of type 2 diabetes mellitus.

Gene ID: 5834

Pathways: [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months