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Datasheet for ABIN1706452
anti-G6PC3 antibody (AA 201-300) (Cy5.5)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | G6PC3 |
| Binding Specificity: | AA 201-300 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This G6PC3 antibody is conjugated to Cy5.5 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human G6PC3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Cow, Sheep, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | G6PC3 |
| Alternative Name: | G6PC3 (G6PC3 Products) |
| Background: | Synonyms: G-6-Pase 3, G6Pase 3, G6Pase-beta, Glucose 6 phosphatase, catalytic, 3, Glucose-6- |

Target Details

phosphatase 3, Glucose-6-phosphatase beta, SCN4, Ubiquitous glucose-6-phosphatase catalytic subunit-related protein, UGRP,

Background: Glucose-6-phosphatase (G6Pase), is a multicomponent enzyme system that hydrolyzes glucose-6-phosphate (G6P) in the final step of gluconeogenesis and gluconeolysis. G6Pase localizes to the endoplasmic reticulum, and while liver, kidney, and intestine are the only tissues that express the first identified isoform, G6Pase-Alpha, a second form, designated G6Pase-Beta, contributes to blood glucose homeostasis in a wider range of tissues. G6Pase-Beta, also known as SCN4, UGRP or G6PC3 (glucose 6 phosphatase, catalytic, 3), is a 346 amino acid endoplasmic reticulum multi-pass membrane protein that is involved in carbohydrate biosynthesis and the gluconeogenesis pathway. Inhibited by vanadate, G6Pase-Beta hydrolyzes GP6 to glucose in the endoplasmic reticulum. Due to its necessary involvement in normal glucose metabolism, G6Pase-Beta may play an integral role in diabetes and glycogen storage diseases (GSDs).

Gene ID: 92579

UniProt: [Q9BUM1](#)

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