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Datasheet for ABIN752927

anti-SLC37A4 antibody (AA 25-130) (Cy5)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | SLC37A4 |
| Binding Specificity: | AA 25-130 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC37A4 antibody is conjugated to Cy5 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human SLC37A4 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | SLC37A4 |
| Alternative Name: | SLC37A4 (SLC37A4 Products) |

Target Details

Background: Synonyms: G6PT2, GSD1b, GSD1c, GSD1d, TRG19, G6PT1, G6PT3, Glucose-5-phosphate transporter, Glucose-6-phosphatase, transport glucose protein 3 antibody, Glucose-6-phosphatase, transport glucose-6-phosphate protein 1, Glucose-6-phosphatase, transport phosphate/pyrophosphate protein 2, Glucose-6-phosphate translocase, Glucose-6-phosphate transporter 1, Microsomal glucose-6-phosphate transporter, Solute carrier family 37 glucose-6-phosphate transporter, member 4, MGC15729, PRO0685, G6PT1_HUMAN.

Background: SLC37A4 transports glucose-6-phosphate from the cytoplasm to the lumen of the endoplasmic reticulum. It forms a complex with glucose-6-phosphatase which is responsible for glucose production through glycogenolysis and gluconeogenesis. Hence, it plays a central role in homeostatic regulation of blood glucose levels.

Gene ID: 2542

Pathways: [Carbohydrate Homeostasis](#), [Cellular Glucan Metabolic Process](#)

Application Details

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