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Datasheet for ABIN5000789

anti-CYB5R4 antibody (AA 21-120) (Alexa Fluor 750)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | CYB5R4 |
| Binding Specificity: | AA 21-120 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CYB5R4 antibody is conjugated to Alexa Fluor 750 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human CYB5R4 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Sheep,Pig,Horse,Chicken |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | CYB5R4 |
| Alternative Name: | CYB5R4 (CYB5R4 Products) |

Target Details

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|-------------|--|
| Background: | <p>Synonyms: NCB50R, cb5/cb5R, dJ676J13.1, Cytochrome b5 reductase 4, Flavohemoprotein b5/b5R, b5+b5R, N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein, CYB5R4</p> <p>Background: NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS). Reduces a variety of substrates in vitro, such as cytochrome c, fericyanide and methemoglobin.</p> |
| Gene ID: | 51167 |
| UniProt: | Q7L1T6 |
| Pathways: | Hormone Transport , Carbohydrate Homeostasis |

Application Details

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| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| 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 |