

Datasheet for ABIN2855226

anti-CYB5A antibody[Go to Product page](#)**1** Image

Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | CYB5A |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CYB5A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human Cytochrome b5. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Cat, Dog, Human |
| Characteristics: | Rabbit polyclonal antibody to Cytochrome b5 (cytochrome b5 type A (microsomal)) Cytochrome b5 antibody [N1C3] |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

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|-------------------|---|
| Target: | CYB5A |
| Alternative Name: | cytochrome b5 type A (CYB5A Products) |

Target Details

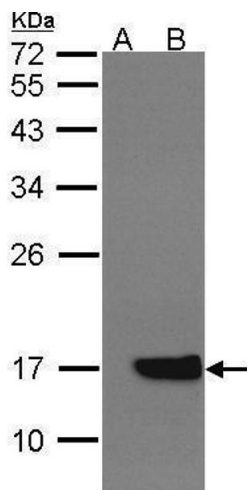
| | |
|-------------------|--|
| Background: | <p>The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene.</p> <p>Cellular Localization: Isoform 1: Endoplasmic reticulum membrane , Microsome membrane , Isoform 2: Cytoplasm</p> |
| Molecular Weight: | 15 kDa |
| Gene ID: | 1528 |
| UniProt: | P00167 |

Application Details

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|--------------------|--|
| Application Notes: | <p>WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.</p> <p>Not tested in other applications.</p> |
| Comment: | Positive Control: CYB5A transfected 293T |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.28 mg/mL |
| Buffer: | 1XPBS (pH 7), 10 % Glycerol, 0.01 % Thimerosal |
| Preservative: | Thimerosal (Merthiolate) |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |



Western Blotting

Image 1. WB Image Western Blot analysis of CYB5A expression in transfected 293T cell line by CYB5A polyclonal antibody. A: Non-transfected lysate. B: CYB5A transfected lysate. 12% SDS PAGE antibody diluted at 1:500