

Datasheet for ABIN2812137

anti-CYP11A1 antibody (AA 321-420) (AbBy Fluor® 594)[Go to Product page](#)

Overview

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| Quantity: | 100 µL |
| Target: | CYP11A1 |
| Binding Specificity: | AA 321-420 |
| Reactivity: | Human, Rat, Mouse, Cow |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CYP11A1 antibody is conjugated to AbBy Fluor® 594 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

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|-------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human CYP11A1/P450SCC |
| Isotype: | IgG |
| Cross-Reactivity: | Cow, Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | CYP11A1 |
| Alternative Name: | CYP11A1 (CYP11A1 Products) |
| Background: | Synonyms: CYP11A, CYPXIA1, P45SCC, Cholesterol side-chain cleavage enzyme, mitochondrial, |

Target Details

Cholesterol desmolase, Cytochrome P45 11A1, Cytochrome P45(scc), CYP11A1

Background: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide. [provided by RefSeq, Jul 2008]

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| Gene ID: | 1583 |
| UniProt: | P05108 |
| Pathways: | Metabolism of Steroid Hormones and Vitamin D , Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process , Cellular Response to Molecule of Bacterial Origin |

Application Details

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| Application Notes: | FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| 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. |

Handling

Expiry Date: 12 months