Datasheet for ABIN2812184

# anti-CYP17A1 antibody (AA 10-60) (AbBy Fluor® 594)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | CYP17A1 |
| Binding Specificity: | AA 10-60 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CYP17A1 antibody is conjugated to AbBy Fluor® 594 |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human Cytochrome P450 17A1 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Cow,Sheep,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

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|---|---|
| Target: | CYP17A1 |
| Alternative Name: | Cytochrome P450 17A1 (CYP17A1 Products) |
| Background: | Synonyms: CPT7, CYP17, S17AH, P450C17, Steroid 17-alpha-hydroxylase/17,20 lyase, 17- |

## Target Details

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|---|---|
| | alpha-hydroxyprogesterone aldolase, CYPXVII, Cytochrome P450 17A1, Cytochrome P450-C17, Cytochrome P450c17, Steroid 17-alpha-monooxygenase, CYP17A1<br>Background: Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty. |
| Gene ID: | 1586 |
| UniProt: | P05093 |
| Pathways: | Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, C21-Steroid Hormone Metabolic Process, Cellular Response to Molecule of Bacterial Origin |

## Application Details

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|---|---|
| Application Notes: | IF(IHC-P) 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: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: 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 |