

Datasheet for ABIN1699405

**anti-CYP51A1 antibody (AA 411-503) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | CYP51A1                                                                                                 |
| Binding Specificity: | AA 411-503                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This CYP51A1 antibody is conjugated to AbBy Fluor® 647                                                  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CYP51A1 |
| Isotype:              | IgG                                                         |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig                     |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| Target:           | CYP51A1                                                                      |
| Alternative Name: | Cyp51a1 ( <a href="#">CYP51A1 Products</a> )                                 |
| Background:       | Synonyms: Lanosterol 14-alpha demethylase, LDM, CYPLI, Cytochrome P450 51A1, |

## Target Details

Cytochrome P450-14DM, Cytochrome P45014DM, Cytochrome P450LI, Sterol 14-alpha demethylase, CP51A\_HUMAN.

Background: CYP51A1 is 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 endoplasmic reticulum protein participates in the synthesis of cholesterol by catalyzing the removal of the 14alpha-methyl group from lanosterol. Homologous genes are found in all three eukaryotic phyla, fungi, plants, and animals, suggesting that this is one of the oldest cytochrome P450 genes. Two transcript variants encoding different isoforms have been found for this gene.

Gene ID: 1595

## 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