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Datasheet for ABIN6978244

**anti-CYP8B1 antibody (AA 151-250) (Alexa Fluor 555)**

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | CYP8B1                                                                                                                         |
| Binding Specificity: | AA 151-250                                                                                                                     |
| Reactivity:          | Human, Mouse                                                                                                                   |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This CYP8B1 antibody is conjugated to Alexa Fluor 555                                                                          |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CYP8B1 |
| Isotype:              | IgG                                                        |
| Cross-Reactivity:     | Human, Mouse                                               |
| Predicted Reactivity: | Cow, Sheep, Horse                                          |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|                   |                                            |
|-------------------|--------------------------------------------|
| Target:           | CYP8B1                                     |
| Alternative Name: | CYP8B1 ( <a href="#">CYP8B1 Products</a> ) |

## Target Details

Background: Synonyms: 7-alpha-hydroxy-4-cholesten-3-one 12-alpha-hydroxylase, 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase, CP8B1\_HUMAN, CYP12, CYP8B1, CYPVIII B1, Cytochrome P450 8B1, Cytochrome P450, family 8, subfamily B, polypeptide 1, Sterol 12-alpha-hydroxylase.

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 endoplasmic reticulum membrane protein catalyzes the conversion of 7 alpha-hydroxy-4-cholesten-3-one into 7-alpha,12-alpha-dihydroxy-4-cholesten-3-one. The balance between these two steroids determines the relative amounts of cholic acid and chenodeoxycholic acid both of which are secreted in the bile and affect the solubility of cholesterol. This gene is unique among the cytochrome P450 genes in that it is intronless. [provided by RefSeq, Jul 2008]

Gene ID: 1582

UniProt: [Q9UNU6](#)

## 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