

# Rabbit anti-Human Cytochrome P450 4B1 Polyclonal Antibody | anti-CYP4B1 antibody

Anti-Cytochrome P450 4B1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA264336 | Rabbit | Human      | Immunocytochemistry, Immunofluorescence, Western Blot |

## PRODUCT SYNONYMS

Cytochrome P450 4B1; Polyclonal Antibody; Anti-Cytochrome P450 4B1 Antibody; CYP4B1; Cytochrome P450-HP; anti-CYP4B1 antibody

## PRODUCT SPECIFICATIONS

|                                                  |                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                    |
| Reactivity                                       | Human                                                                                                     |
| Clonality                                        | Polyclonal                                                                                                |
| Specificity                                      | Recognizes endogenous levels of Cytochrome P450 4B1 protein.                                              |
| Purity/Purification                              | Purified by Immunogen Affinity Chromatography                                                             |
| Form/Format                                      | Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide. |
| Applicable Applications for anti-CYP4B1 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                     |
| Immunogen                                        | Recombinant fusion protein of human Cytochrome P450 4B1. The exact sequence is proprietary.               |
| Preparation and Storage                          | Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                   |

## IMAGES



### IF (Immunofluorescence)

Immunofluorescent analysis of Cytochrome P450 4B1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



### WB (Western Blot)

Western blot analysis of Cytochrome P450 4B1 expression in MCF7 (A) whole cell lysates.

## ADDITIONAL INFORMATION

|                                                      |                                                   |
|------------------------------------------------------|---------------------------------------------------|
| Related Product Information for anti-CYP4B1 antibody | Rabbit polyclonal antibody to Cytochrome P450 4B1 |
|------------------------------------------------------|---------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 153218660   |
| NCBI GeneID      | 1580        |
| NCBI Accession # | NP_000770.2 |

|                                  |                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | NM_000779.3                                                                                                      |
| UniProt Accession #              | P13584; Q1HBI2; Q8TD85; Q8WWF2; Q8WWU9; Q8WWV0                                                                   |
| Molecular Weight                 | 58,991 Da                                                                                                        |
| NCBI Official Full Name          | cytochrome P450 4B1 isoform b                                                                                    |
| NCBI Official Synonym Full Names | cytochrome P450, family 4, subfamily B, polypeptide 1                                                            |
| NCBI Official Symbol             | CYP4B1                                                                                                           |
| NCBI Official Synonym Symbols    | CYP4B1; P-450HP                                                                                                  |
| NCBI Protein Information         | cytochrome P450 4B1; cytochrome P450-HP; microsomal monooxygenase; cytochrome P450, subfamily IVB, polypeptide 1 |
| UniProt Protein Name             | Cytochrome P450 4B1                                                                                              |
| UniProt Gene Name                | CYP4B1                                                                                                           |
| UniProt Entry Name               | CP4B1_HUMAN                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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