

## Rabbit Cytochrome P450 2C19 Polyclonal Antibody | anti-CYP2C19 antibody

Rabbit anti-Cytochrome P450 2C19 Antibody

| CATALOG # | HOST   | REACTIVITY    | APPLICATIONS                                           |
|-----------|--------|---------------|--------------------------------------------------------|
| AAA220980 | Rabbit | Human, Monkey | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Cytochrome P450 2C19; Polyclonal Antibody; Rabbit anti-Cytochrome P450 2C19 Antibody; (R)-limonene 6-monooxygenase; (S)-limonene 6-monooxygenase; (S)-limonene 7-monooxygenase; CYP11C17; CYP11C19; Cytochrome P450-11A; Cytochrome P450-254C; Mephenytoin 4-hydroxylase; anti-CYP2C19 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                              |
| Reactivity                                        | Human, Monkey                                                                                                                                       |
| Clonality                                         | Polyclonal                                                                                                                                          |
| Purity/Purification                               | The antibody was 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.                                           |
| Concentration                                     | 1mg/mL (varies by lot)                                                                                                                              |
| Applicable Applications for anti-CYP2C19 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                              |
| Immunogen                                         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome P450 2C19. The exact sequence is proprietary. |
| Preparation and Storage                           | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                           |

### IMAGES



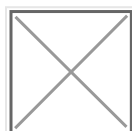
#### IF (Immunofluorescence)

Immunofluorescent analysis of Cytochrome P450 2C19 staining in HeLa 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 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Cytochrome P450 2C19 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Cytochrome P450 2C19 expression in HeLa (A), human liver (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| Product Categories/Family for anti-CYP2C19 antibody | Primary antibodies |
|-----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503219                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 1557                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000760.1                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000769.1                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P33261; P33259; Q8WZB1; Q8WZB2; Q9UCD4                                                                                                                                                                                                                          |
| Molecular Weight                 | 52kDa                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | cytochrome P450 2C19                                                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | cytochrome P450, family 2, subfamily C, polypeptide 19                                                                                                                                                                                                          |
| NCBI Official Symbol             | CYP2C19                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CPCJ; CYP2C; P450C2C; P450IIC19                                                                                                                                                                                                                                 |
| NCBI Protein Information         | cytochrome P450 2C19; CYP11C17; CYP11C19; cytochrome P450-11A; cytochrome P450-254C; cytochrome P-450 II C; microsomal monooxygenase; xenobiotic monooxygenase; mephenytoin 4-hydroxylase; mephenytoin 4'-hydroxylase; S-mephenytoin 4-hydroxylase; (R)-limonen |
| UniProt Protein Name             | Cytochrome P450 2C19                                                                                                                                                                                                                                            |
| UniProt Gene Name                | CYP2C19                                                                                                                                                                                                                                                         |
| UniProt Entry Name               | CP2CJ_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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