

# Rabbit Cytochrome P450 2J2 Polyclonal Antibody | anti-CYP2J2 antibody

Rabbit anti-Cytochrome P450 2J2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA222467 | Rabbit | Human, Mouse, Rat | Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot |

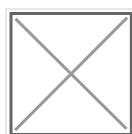
## PRODUCT SYNONYMS

Cytochrome P450 2J2; Polyclonal Antibody; Rabbit anti-Cytochrome P450 2J2 Antibody; Arachidonic acid epoxygenase; CYP11J2; anti-CYP2J2 antibody

## PRODUCT SPECIFICATIONS

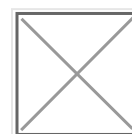
|                                                  |                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                             |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                  |
| 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-CYP2J2 antibody | IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                   |
| Immunogen                                        | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome P450 2J2. The exact sequence is proprietary. |
| Preparation and Storage                          | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                          |

## IMAGES



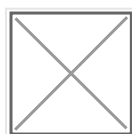
### IF (Immunofluorescence)

Immunofluorescent analysis of Cytochrome P450 2J2 staining in A549 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 2J2 staining in human liver cancer 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 2J2 expression in HepG2 (A), A549 (B) whole cell lysates.

## ADDITIONAL INFORMATION

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Product Categories/Family for anti-CYP2J2 antibody | Primary antibodies |
|----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 18491008                                                                                                                                                                                         |
| NCBI GeneID                      | 1573                                                                                                                                                                                             |
| NCBI Accession #                 | NP_000766.2                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_000775.2                                                                                                                                                                                      |
| UniProt Accession #              | P51589                                                                                                                                                                                           |
| Molecular Weight                 | 57,611 Da                                                                                                                                                                                        |
| NCBI Official Full Name          | cytochrome P450 2J2                                                                                                                                                                              |
| NCBI Official Synonym Full Names | cytochrome P450, family 2, subfamily J, polypeptide 2                                                                                                                                            |
| NCBI Official Symbol             | CYP2J2                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | CPJ2                                                                                                                                                                                             |
| NCBI Protein Information         | cytochrome P450 2J2; CYP11J2; microsomal monooxygenase; arachidonic acid epoxidase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily 11J (arachidonic acid epoxidase) polypeptide 2 |
| UniProt Protein Name             | Cytochrome P450 2J2                                                                                                                                                                              |
| UniProt Gene Name                | CYP2J2                                                                                                                                                                                           |
| UniProt Entry Name               | CP2J2_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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