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**Product Name: CYP2J2 Rabbit Polyclonal Antibody****Catalog #: APRab09658**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Rabbit polyclonal Antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,IHC,ICC/IF,ELISA   |
| <b>Reactivity</b>    | Human,Monkey  |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Polyclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                       |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b>  | Affinity purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 58kDa  |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | CYP2J2  |
| <b>Alternative Names</b> | CYP2J2; Cytochrome P450 2J2; Arachidonic acid epoxygenase; CYP11J2  |
| <b>Gene ID</b>           | 1573.0  |
| <b>SwissProt ID</b>      | P51589  |
| <b>Immunogen</b>         | The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2J2. AA range:231-280 |

**Background**

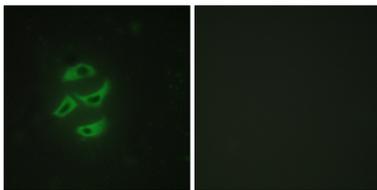
This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are

monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016],catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,function:This enzyme metabolizes arachidonic acid predominantly via a NADPH-dependent olefin epoxidation to all four regioisomeric cis-epoxyeicosatrienoic acids. One of the predominant enzymes responsible for the epoxidation of endogenous cardiac arachidonic acid pools.,online information:CYP2J2 alleles,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Highly expressed in heart, present at lower levels in liver, ileum, jejunum, colon, and kidney.,

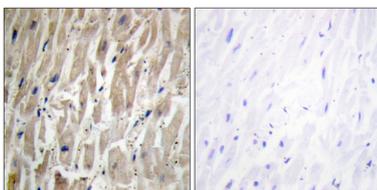
## Research Area

Arachidonic acid metabolism;Linoleic acid metabolism;

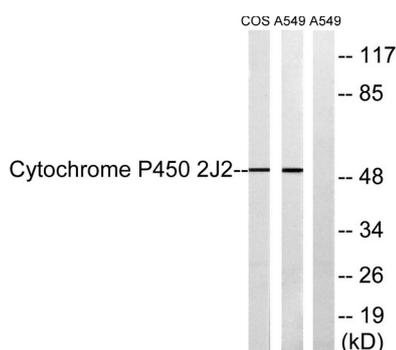
## Image Data



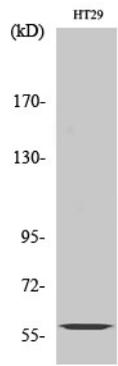
Immunofluorescence analysis of HepG2 cells, using Cytochrome P450 2J2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using Cytochrome P450 2J2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A549 and COS7 cells, using Cytochrome P450 2J2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CYP2J2 Polyclonal Antibody