

**Anti-Human/Monkey CYP2J2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA03399**

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3th Edition

**Description:** 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. CYP2J2 (Cytochrome P450 Family 2 Subfamily J Member 2) is a Protein Coding gene. Diseases associated with CYP2J2 include Clopidogrel Resistance. Among its related pathways are Cytochrome P450 - arranged by substrate type and Arachidonate Epoxygenase / Epoxide Hydrolase. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen. An important paralog of this gene is CYP2R1.

**Antigen:** Synthesized peptide derived from the Internal region of human CYP2J2

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Highly expressed in heart, present at lower levels in liver, ileum, jejunum, colon, and kidney.