



## Rabbit Anti-CYP11J2 antibody

SL23247R

<b>Product Name:</b>	CYP11J2
<b>Chinese Name:</b>	细胞色素P450 II J2抗体
<b>Alias:</b>	Arachidonic acid epoxygenase; CP2J2_HUMAN; CPJ2; CYP2J2; CYP11J2; Cyp2-j2; Cytochrome P450 2J2; Cytochrome P450 family 2 subfamily J polypeptide 2; Cytochrome P450 subfamily IJ (arachidonic acid epoxygenase) polypeptide 2; Cytochrome P450 subfamily IJ polypeptide 2; Flavoprotein linked monooxygenase; Microsomal monooxygenase; OTTHUMP00000010550.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	58kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CYP11J2:401-501/501
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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].

**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.

**Subcellular Location:**

Endoplasmic reticulum membrane. Microsome membrane.

**Tissue Specificity:**

Highly expressed in heart, present at lower levels in liver, ileum, jejunum, colon, and kidney

**Similarity:**

Belongs to the cytochrome P450 family.

**SWISS:**

P51589

**Gene ID:**

1573

**Database links:**

[Entrez Gene: 1573](#) Human

[Omim: 601258](#) Human

[SwissProt: P51589](#) Human

[Unigene: 152096](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.