

Rabbit Anti-CYP11J2/AF350 Conjugated antibody

SL23247R-AF350

Product Name	Anti-CYP11J2/AF350
Chinese Name	AF350 标记的细胞色素 P45011J2 抗体
Alias	Arachidonic acid epoxygenase; CP2J2_HUMAN; CPJ2; CYP2J2; CYP11J2; Cyp2-j2; Cytochrome P450 2J2; Cytochrome P450 family 2 subfamily J polypeptide 2; Cytochrome P450 subfamily 11J (arachidonic acid epoxygenase) polypeptide 2; Cytochrome P450 subfamily 11J polypeptide 2; Flavoprotein linked monooxygenase; Microsomal monooxygenase; OTTHUMP00000010550.
Research Area	
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	58kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CYP11J2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	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].

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.

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.