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[Marker Primary Antibody]

Rabbit Anti-CYPIIJ2/Biotin Conjugated antibody

Catalog Number: SL23247R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CYPIIJ2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human CYPIIJ2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human)
Background:	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

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	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.