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[Marker Primary Antibody]

Rabbit Anti-CYP7A1/HRP Conjugated antibody

Catalog Number: SL2399R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CYP7A1/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human CYP7A1
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 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Pig,Rabbit,GuineaPig)
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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis. [provided by RefSeq, Feb 2010]. **Function:** Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol homeostasis. **Subcellular Location:** Endoplasmic reticulum membrane; Peripheral

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	membrane protein. Microsome membrane; Peripheral membrane protein. **Tissue Specificity:** Detected in liver. **Similarity:** Belongs to the cytochrome P450 family. **Database links:** **Entrez Gene:** 1581 Human **Entrez Gene:** 13122 Mouse **Entrez Gene:** 25428 Rat Omim: 118455 Human **SwissProt:** P22680 Human **SwissProt:** Q64505 Mouse **SwissProt:** P18125 Rat **Unigene:** 1644 Human **Unigene:** 57029 Mouse **Unigene:** 10737 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.