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[Primary Antibody]

Rabbit Anti-CYP4B1 antibody

Catalog Number: SL14156R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYP4B1
Immunogen:	KLH conjugated synthetic peptide derived from human CYP4B1: 51-150/511
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	59kDa
Subcellular Location:	cytoplasmic
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. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. Two transcript variants encoding slightly different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] **Function:** Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent

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	electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. **Subcellular Location:** Endoplasmic reticulum membrane. Microsome membrane. **Tissue Specificity:** Detected in the liver and lung (at protein level). **Similarity:** Belongs to the cytochrome P450 family. **Database links:** **Entrez Gene:** 1580 Human Omim: 124075 Human **SwissProt:** P13584 Human **Unigene:** 436317 Human

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