



Rabbit Anti-CYP4B1 antibody

SL14156R

Product Name:	CYP4B1
Chinese Name:	细胞色素P450 4B1抗体
Alias:	CP4B1_HUMAN; CYP4B1; CYP4B1; Cytochrome P450 4B1; Cytochrome P450 family 4 subfamily B polypeptide 1; Cytochrome P450 subfamily IVB polypeptide 1; Cytochrome P450-HP; Microsomal monooxygenase; P450HP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	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.
Molecular weight:	59kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CYP4B1:51-150/511
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:

P13584

Gene ID:

1580

Database links:

[Entrez Gene: 1580](#) Human

[Omim: 124075](#) Human

[SwissProt: P13584](#) Human

[Unigene: 436317](#) Human

Important Note:

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