



## Rabbit Anti-Cytochrome P450 2B1 antibody

SL14177R

<b>Product Name:</b>	Cytochrome P450 2B1
<b>Chinese Name:</b>	细胞色素P450 2B1抗体
<b>Alias:</b>	Cyp2b 1; Cyp2b 2; Cyp2b1; Cyp2b2; Cypbe; Cytochrome P450 2B1 + 2B2; Cype; CYPIIB1; CYPIIB2; Cytochrome P 450b; Cytochrome P 450b type e; Cytochrome P 450e M; Cytochrome P450 2B1; Cytochrome P450 2B2; Cytochrome P450 family 2 subfamily b polypeptide 1; Cytochrome P450 family 2 subfamily b polypeptide 2; Cytochrome P450 subfamily IIB phenobarbital inducible b e; ec 1.14.14.1; P450 PB4; P450-B; P450-LM2; P450-PB1 and P450-PB2; P450b; P450E; CP2B1 RAT.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from Rat Cytochrome P450 2B1:301-400/491
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	phenobarbitol-inducible member of the p450 xenobiotic-inducible superfamily

involved in hydroxylation of decanoic and other fatty acids [RGD, Feb 2006]

**Function:**

The Cytochrome P450 superfamily of enzymes is one of three enzyme systems which metabolize the fatty acid arachadonic acid (AA) to regulators of vascular tone. P450 enzymes are monooxygenase enzymes which require several co-factors such as nicotinamide adenine dinucleotide phosphate (NADPH) and P450 reductase. There are over 200 known genes which encode P450s. Epoxygenases are those P450s which metabolize AA to epoxyeicosatrienoic acid (EETs) and omega-hydroxylases are those P450s which produce 19- and 20-hydroxyeicosatetraenoic acids (19- and 20-HETE). As well as fatty acid metabolism, P450s also metabolize many drugs and toxins. Cytochrome P450 3A4 is abundantly expressed in liver and small intestine and is inducible by barbiturates, glucocorticoids and rifampicin.

**Subcellular Location:**

Membrane bound, endoplasmic reticulum

**Post-translational modifications:**

Phosphorylation is accompanied by a decrease in enzyme activity.

**Similarity:**

Belongs to the cytochrome P450 family.

**Gene ID:**

24300

**Database links:**

[Entrez Gene: 24300](#) Rat

[Entrez Gene: 361523](#) Rat

[SwissProt: P00176](#) Rat

[SwissProt: P04167](#) Rat

**Important Note:**

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