SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Cytochrome P450 2B1 antibody

Catalog Number: SL14177R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cytochrome P450 2B1
Immunogen:	KLH conjugated synthetic peptide derived from Rat Cytochrome P450 2B1: 301-400/491
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: Mouse, Rat)
Predicted MW.:	56kDa
Subcellular Location:	The cell membrane
Background:	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

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	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. **Database links:** **Entrez Gene:** 24300 Rat **Entrez Gene:** 361523 Rat **SwissProt:** P00176 Rat **SwissProt:** P04167 Rat

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