SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CYP2C8 antibody

Catalog Number: SL14151R

FOR RESEARCH USE ONLY

[DATASHEET]

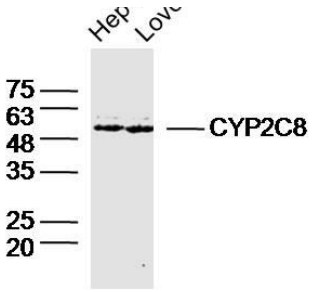
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYP2C8
Immunogen:	KLH conjugated synthetic peptide derived from human CYP2C8: 51-150/490
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat
Predicted MW.:	56kDa
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 and its expression is induced by phenobarbital. The enzyme is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethyoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010] **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. In the epoxidation of arachidonic acid it generates only 14,15- and 11,12-cis-epoxyeicosatrienoic

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

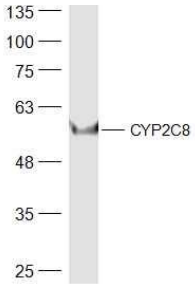
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	acids. It is the principal enzyme responsible for the metabolism the anti-cancer drug paclitaxel (taxol). **Subcellular Location:** Endoplasmic reticulum membrane. Microsome membrane. **Similarity:** Belongs to the cytochrome P450 family. **Database links:** **Entrez Gene:** 1558 Human Omim: 601129 Human **SwissProt:** P10632 Human **Unigene:** 709188 Human

[VALIDATION IMAGES]



Sample:
HepG2 Cell (Human) Lysate at 40 ug
Lovo Cell (Human) Lysate at 40 ug
Primary: Anti-CYP2C8(SL14151R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 56kD
Observed band size: 56kD



Sample:
BRL-3A(Rat) Cell Lysate at 40 ug
Primary: Anti-CYP2C8 (SL14151R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 56 kD
Observed band size: 56 kD

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