SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CYP2C18 antibody

Catalog Number: SL14150R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYP2C18
Immunogen:	KLH conjugated synthetic peptide derived from human CYP2C18: 401-490/490
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 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Pig,Rabbit,Sheep)
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 but its specific substrate has not yet been determined. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. An additional gene, CYP2C17, was once thought to exist; however, CYP2C17 is now considered an artefact based on a chimera of CYP2C18 and CYP2C19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] **Function:** CYP2C18 is 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. CYP2C18 oxidizes a variety of structurally unrelated

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	compounds, including steroids, fatty acids, and xenobiotics. **Subcellular Location:** Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein. **Database links:** **Entrez Gene:** 1562 Human Omim: 601131 Human **SwissProt:** P33260 Human

[VALIDATION IMAGES]

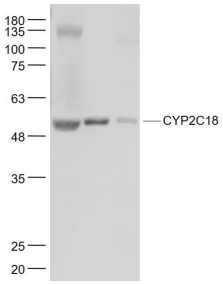


Figure 1. Sample: Liver (Mouse) Lysate at 40 ug Cerebellum (Mouse) Lysate at 40 ug HL60(Human) Cell Lysate at 30 ug Primary: Anti- CYP2C18 (SL14150R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD

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