SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Cytochrome P450 2B6 antibody

Catalog Number: SL2352R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cytochrome P450 2B6
Immunogen:	KLH conjugated synthetic peptide derived from human Cytochrome P450 2B6: 401-491/491
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°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Flow-Cyt (2ug/Test) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human, Mouse, Rat (predicted: Rabbit, Dog)
Predicted MW.:	56kDa
Subcellular Location:	cytoplasmic The cell membrane Mitochondrion
Background:	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. **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. Acts as a 1,4-cineole 2-exo-monooxygenase. **Subcellular Location:** Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein. **Tissue Specificity:** Expressed in liver, lung and heart right ventricle. **Post-translational modifications:** Phosphorylation is accompanied by a

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	decrease in enzyme activity (By similarity). **Similarity:** Belongs to the cytochrome P450 family. **Database links:** **Entrez Gene:** 1555 Human Omim: 123930 Human **SwissProt:** P20813 Human **Unigene:** 1360 Human

[VALIDATION IMAGES]

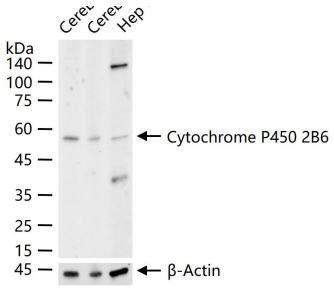


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with Cytochrome P450 2B6 polyclonal antibody, unconjugated (SL2352R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

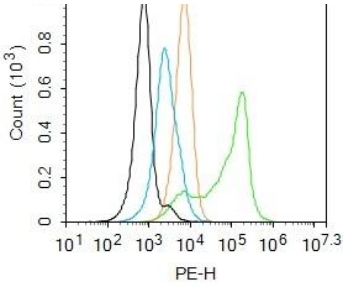


Figure 2. Blank control:U937. Primary Antibody (green line): Rabbit Anti-Cytochrome P450 2B6 antibody (SL2352R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature.Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed

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