

**Product Name: CYP4B1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09670**



## Summary

<b>Production Name</b>	CYP4B1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	CYP4B1
<b>Alternative Names</b>	CYP4B1; Cytochrome P450 4B1; CYP1VB1; Cytochrome P450-HP
<b>Gene ID</b>	1580.0
<b>SwissProt ID</b>	P13584.The antiserum was produced against synthesized peptide derived from human Cytochrome P450 4B1. AA range:141-190

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
<b>Molecular Weight</b>	50kDa

## Background

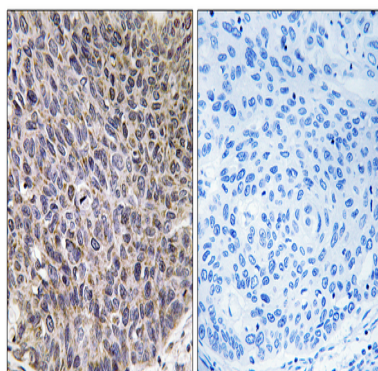
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This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016], catalytic activity:  $\text{RH} + \text{reduced flavoprotein} + \text{O}_2 = \text{ROH} + \text{oxidized flavoprotein} + \text{H}_2\text{O}$ , cofactor: Heme group, 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, induction: P450 can be induced to high levels in liver and other tissues by various foreign compounds, including drugs, pesticides, and carcinogens, online information: CYP4B1 alleles, similarity: Belongs to the cytochrome P450 family,.

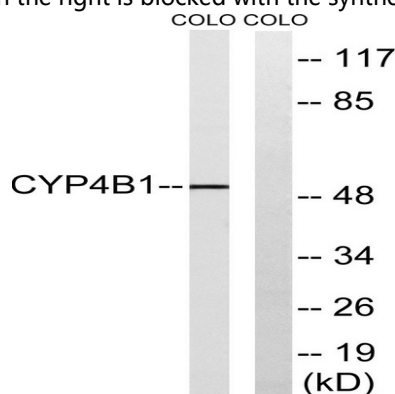
## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Cytochrome P450 4B1 Antibody.

The picture on the right is blocked with the synthesized peptide.



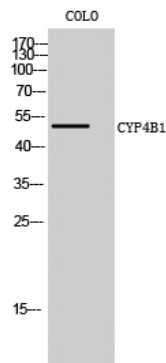
Western blot analysis of lysates from COLO cells, using Cytochrome P450 4B1 Antibody. The lane on the right is blocked with

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the synthesized peptide.



Western Blot analysis of COLO cells using CYP4B1 Polyclonal Antibody

### **Note**

For research use only.