

---

**Product Name: CYP39A1 Rabbit Polyclonal Antibody****Catalog #: APRab09663**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	54kDa

**Antigen Information**

<b>Gene Name</b>	CYP39A1
<b>Alternative Names</b>	CYP39A1; 24-hydroxycholesterol 7-alpha-hydroxylase; Cytochrome P450 39A1; hCYP39A1; Oxysterol 7-alpha-hydroxylase
<b>Gene ID</b>	51302.0
<b>SwissProt ID</b>	Q9NYL5
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 39A1. AA range:361-410

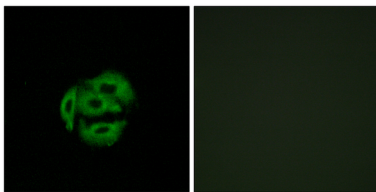
**Background**

cytochrome P450 family 39 subfamily A member 1 (CYP39A1) Homo sapiens 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 endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],catalytic activity: (24R)-cholest-5-ene-3-beta,24-diol + NADPH + O(2) = (24R)-cholest-5-ene-3-beta,7-alpha,24-triol + NADP(+) + H(2)O.,cofactor:Heme group.,function:Involved in the bile acid metabolism. Has a preference for 24-hydroxycholesterol, and converts it into a 7-alpha-hydroxylated product.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Liver specific,.

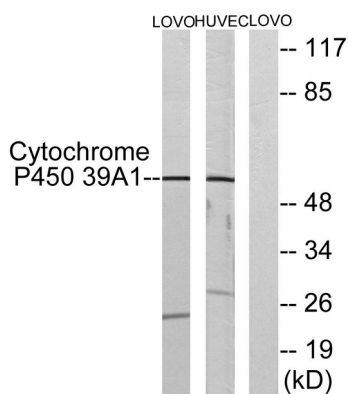
## Research Area

Primary bile acid biosynthesis;

## Image Data



Immunofluorescence analysis of A549 cells, using Cytochrome P450 39A1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO and HUVEC cells, using Cytochrome P450 39A1 Antibody. The lane on the right is blocked with the synthesized peptide.