

**CYP2S1 rabbit pAb****Cat#: orb764980 (Manual)**

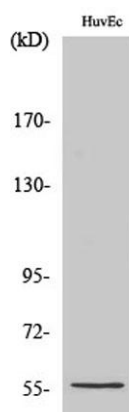
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	CYP2S1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2S1. AA range:181-230
<b>Specificity</b>	CYP2S1 Polyclonal Antibody detects endogenous levels of CYP2S1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cytochrome P450 2S1
<b>Gene Name</b>	CYP2S1
<b>Cellular localization</b>	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

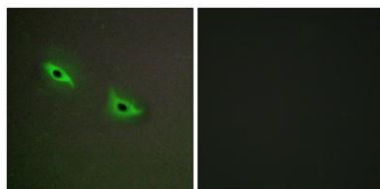
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	56kD
<b>Human Gene ID</b>	29785
<b>Human Swiss-Prot Number</b>	Q96SQ9
<b>Alternative Names</b>	CYP2S1; Cytochrome P450 2S1; CYP11S1

### Background

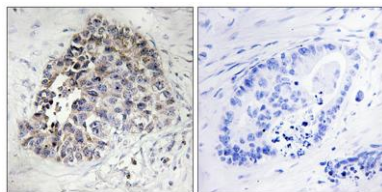
This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. [provided by RefSeq, Jul 2008],



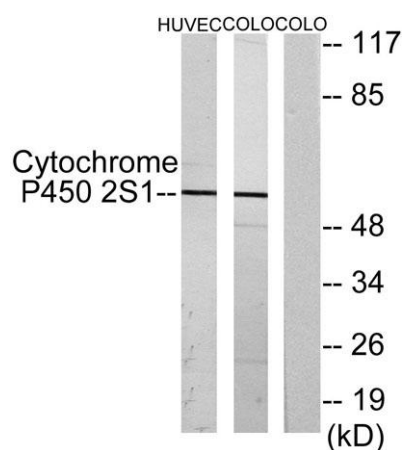
**Western Blot analysis of various cells using CYP2S1 Polyclonal Antibody diluted at 1:2000**



**Immunofluorescence analysis of A549 cells, using Cytochrome P450 2S1 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Cytochrome P450 2S1 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Western blot analysis of lysates from HUVEC and COLO cells, using Cytochrome P450 2S1 Antibody. The lane on the right is blocked with the synthesized peptide.**