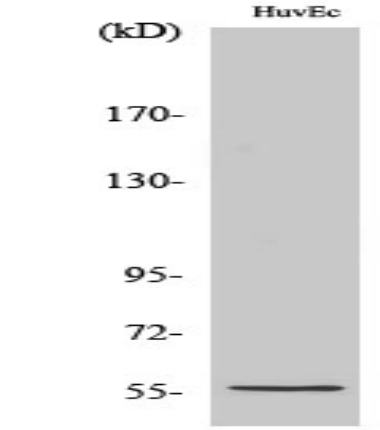
Best Tools for immunology Research

CYP2S1 Polyclonal Antibody

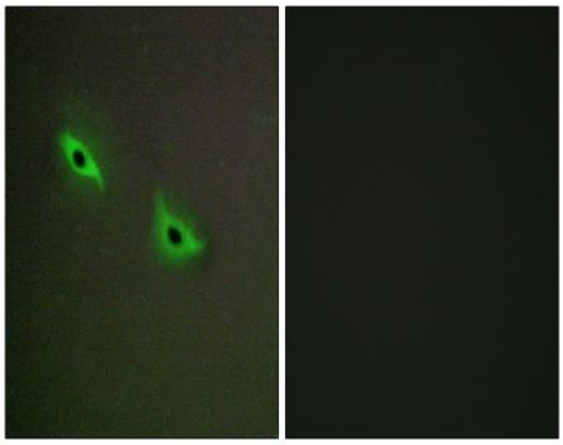
Catalog No :	YT1223
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	CYP2S1
Fields :	>>Retinol metabolism;>>Metabolism of xenobiotics by cytochrome P450;>>Metabolic pathways
Gene Name :	CYP2S1
Protein Name :	Cytochrome P450 2S1
Human Gene Id :	29785
Human Swiss Prot No :	Q96SQ9
Mouse Gene Id :	74134
Mouse Swiss Prot No :	Q9DBX6
Immunogen :	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2S1. AA range:181-230
Specificity :	CYP2S1 Polyclonal Antibody detects endogenous levels of CYP2S1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	56kD
Cell Pathway :	Metabolism of xenobiotics by cytochrome P450;
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],
Function :	catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,function:Has a potential importance for extrahepatic xenobiotic metabolism.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:High level of expression in trachea, lung, stomach, small intestine, and spleen.,
Subcellular Location :	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
Expression :	Expressed at higher levels in extrahepatic tissues including trachea, lung, stomach, small intestine, colon, kidney, breast, placenta and spleen (PubMed:11181079, PubMed:12711469). Expressed in peripheral blood leukocytes (PubMed:11181079). Constitutively expressed in skin (at protein level) (PubMed:12711469).
Sort :	4804
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

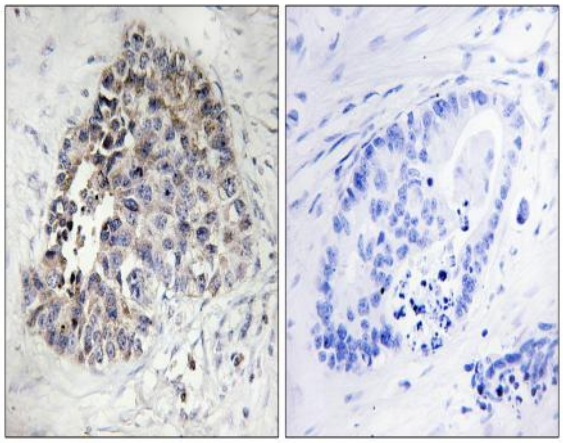
Products Images



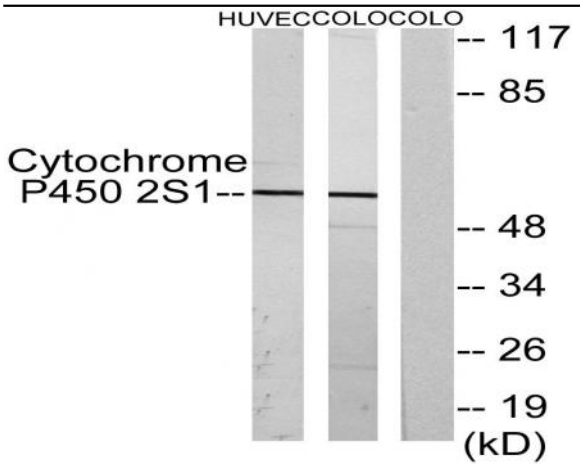
Western Blot analysis of various cells using CYP2S1 Polyclonal Antibody diluted at 1:2000



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.