



CYP8B1 rabbit pAb

Cat No.:ES2114

For research use only

Overview

Product Name	CYP8B1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 8B1. AA range:371-420
Specificity	CYP8B1 Polyclonal Antibody detects endogenous levels of CYP8B1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
Gene Name	CYP8B1
Cellular localization	Endoplasmic reticulum membrane ; Single-pass membrane protein . Microsome membrane ; Single-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	58kD
Human Gene ID	1582
Human Swiss-Prot Number	Q9UNU6
Alternative Names	CYP8B1; CYP12; 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase; 7-alpha-hydroxy-4-cholesten-3-one 12-alpha-hydroxylase; CYPVIII B1; Cytochrome P450

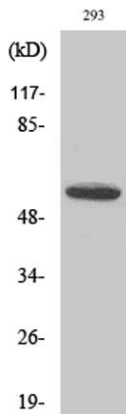




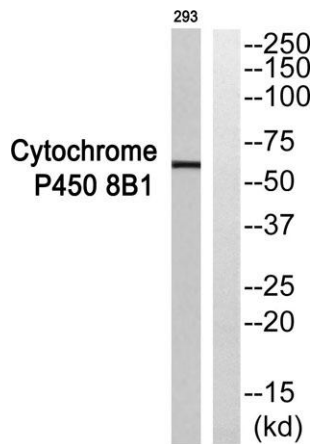
Background

8B1; Sterol 12- α -hydroxylase

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 membrane protein catalyzes the conversion of 7 α -hydroxy-4-cholesten-3-one into 7 α ,12 α -dihydroxy-4-cholesten-3-one. The balance between these two steroids determines the relative amounts of cholic acid and chenodeoxycholic acid both of which are secreted in the bile and affect the solubility of cholesterol. This gene is unique among the cytochrome P450 genes in that it is intronless. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using CYP8B1 Polyclonal Antibody



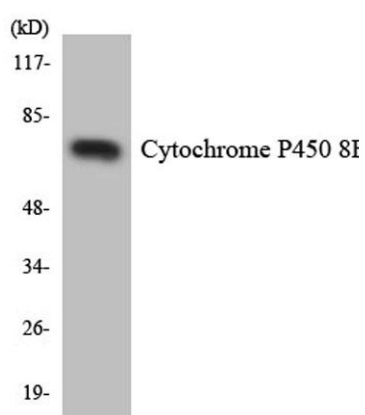
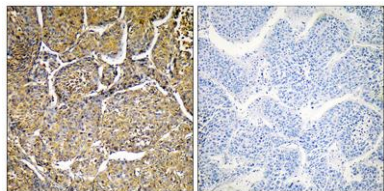
Western blot analysis of Cytochrome P450 8B1 Antibody. The lane on the right is blocked with the Cytochrome P450 8B1 peptide.





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Immunohistochemistry analysis of paraffin-embedded human liver, using Cytochrome P450 8B1 Antibody. The lane on the right is blocked with the Cytochrome P450 8B1 peptide.



Western blot analysis of the lysates from HT-29 cells using Cytochrome P450 8B1 antibody.



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