

Anti-CYP8B1 Antibody (aa357-406)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18041

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UNU6
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	58068

Additional Information

Gene ID	1582
Alias Symbol Other Names	CYP8B1 CYP8B1, CYP12, Cytochrome P450 8B1, CP8B, Sterol 12-alpha-hydroxylase, Sterol 12alpha-hydroxylase, CYPVIII B1
Target/Specificity	Cytochrome P450 8B1 antibody detects endogenous levels of Cytochrome P450 8B1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CYP8B1 Antibody (aa357-406) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CYP8B1 {ECO:0000303 PubMed:10051404, ECO:0000312 HGNC:HGNC:2653}
Function	A cytochrome P450 monooxygenase involved in primary bile acid biosynthesis. Catalyzes the 12alpha-hydroxylation of 7alpha-hydroxy-4-cholesten-3-one, an intermediate metabolite in cholic acid biosynthesis (PubMed: 10051404). Controls biliary balance of cholic acid and chenodeoxycholic acid, ultimately regulating the intestinal absorption of dietary lipids (By similarity). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH--hemoprotein reductase) (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:O02766}; Single-pass membrane protein. Microsome membrane

{ECO:0000250|UniProtKB:O02766}; Single-pass membrane protein

Tissue Location

Liver..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.