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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	CYP8B1
Other Names	CYP8B1, CYP12, Cytochrome P450 8B1, CP8B, Sterol 12-alpha-hydroxylase, Sterol 12alpha-hydroxylase, CYPVIIIB1
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	Sterol 12-alpha-hydroxylase involved in primary bile acid biosynthesis by catalyzing the 12alpha-hydroxylation of key intermediates including 7alpha-hydroxycholest-4-en-3-one, 3alpha,7alpha-dihydroxy-5beta-cholestan-26-oate and chenodeoxycholate along the classic pathway (PubMed:10051404, PubMed:30465713, PubMed:39214664). May also hydroxylate 5beta-cholestane-3alpha,7alpha-diol (By similarity). Functions as a monooxygenase, inserting one atom of molecular oxygen into substrates while reducing the second to water, using electrons supplied by NADPH via cytochrome P450 reductase (CPR) (By similarity). Controls biliary balance of cholic acid and chenodeoxycholic acid, thereby regulating intestinal absorption of dietary lipids (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'.