

Anti-CYP8B1 Antibody (aa357-406)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18041**Specification**

Anti-CYP8B1 Antibody (aa357-406) - Product Information

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

Anti-CYP8B1 Antibody (aa357-406) - Additional Information**Gene ID** 1582

Alias Symbol	CYP8B1
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Other Names

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.

Anti-CYP8B1 Antibody (aa357-406) - 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: <http://www.uniprot.org/citations/10051404> target="_blank">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..

Anti-CYP8B1 Antibody (aa357-406) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CYP8B1 Antibody (aa357-406) - Images