

Rabbit anti-Human CYP8B1 Polyclonal Antibody | anti-CYP8B1 antibody

CYP8B1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284672	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CYP8B1; Polyclonal Antibody; CYP8B1 Antibody (C-term); 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase; 7-alpha-hydroxy-4-cholesten-3-one 12-alpha-hydroxylase; CYPVIII B1; Cytochrome P450 8B1; Sterol 12-alpha-hydroxylase; CYP12; anti-CYP8B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP8B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 471-501 amino acids from the C-terminal region of human CYP8B1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	471-501
Sequence Length	501
Applicable Applications for anti-CYP8B1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

CYP8B1 Antibody (C-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CYP8B1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CYP8B1 Antibody (C-term) in K562 cell line lysates (35ug/lane).
CYP8B1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP8B1 antibody	CYP8B1 is 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 alpha-hydroxy-4-cholesten-3-one into 7-alpha,12-alpha-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.
Product Categories/Family for anti-CYP8B1 antibody	Cardiovascular; Metabolism; Signal transduction
References	Zhang,M. et.al., J. Biol. Chem. 276 (45), 41690-41699 (2001) Wang,J., et.al., Histochem. Cell Biol. 123 (4-5), 441-446 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362724
NCBI GeneID	1582
NCBI Accession #	NP_004382.2
NCBI GenBank Nucleotide #	NM_004391.2
UniProt Accession #	Q9UNU6; O75958; Q6NWT2; Q6NWT3; B2RCY3
Molecular Weight	58068
NCBI Official Full Name	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 8, subfamily B, polypeptide 1
NCBI Official Symbol	CYP8B1
NCBI Official Synonym Symbols	CP8B; CYP12
NCBI Protein Information	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
UniProt Protein Name	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
UniProt Gene Name	CYP8B1
UniProt Synonym Gene Names	CYP12
UniProt Entry Name	CP8B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyp8b1-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/284672>