

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

CYP8B1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283325	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CYP8B1; Polyclonal Antibody; CYP8B1 Rabbit pAb; CP8B; CYP12; anti-CYP8B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	ATQVLGEARL ETKQSFAFKL GALQHTPVLD SVVEETLRLR AAPTLLRLVH EDYTLKMSSG QEYLFRRHGD LALFPYLSVH MDPDIHPEPT VFKYDRFLN
Applicable Applications for anti-CYP8B1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 311-410 of human CYP8B1 (NP_004382.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



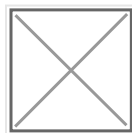
IF (Immunofluorescence)

Immunofluorescence analysis of Rat liver tissue using CYP8B1 Rabbit pAb (AAA283325) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



IF (Immunofluorescence)

Immunofluorescence analysis of Mouse liver tissue using CYP8B1 Rabbit pAb (AAA283325) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293F cells transfected with CYP8B1 using CYP8B1 Rabbit pAb (AAA283325) at 1:1000 dilution incubated overnight at 4?. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 20 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP8B1 antibody	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 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	Signal Transduction; Endocrine Metabolism; Mitochondrial metabolism; Lipid Metabolism; Lipases; Cardiovascular; Lipids; Antibodies

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	Calculated MW: 58kDa Observed MW: 58kDa
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-immunocytochemistry-immunofluorescence-western-blot-elisa/283325>