

Rabbit anti-Human, Mouse Cytochrome P450 8B1 Polyclonal Antibody | anti-CYP8B1 antibody

Cytochrome P450 8B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325392	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cytochrome P450 8B1; Polyclonal Antibody; Cytochrome P450 8B1 Antibody; 7-alpha-hydroxy-4-cholesten-3-one 12-alpha-hydroxylase; 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase; CP8B; CP8B1_HUMAN; CYP12; CYP8B1; CYPVIII B1; Cytochrome P450 subfamily VIII B (sterol 12 alpha hydroxylase) polypeptide 1; Cytochrome P450; family 8; subfamily B; polypeptide 1; Sterol 12-alpha-hydroxylase; anti-CYP8B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 8B1 antibody detects endogenous levels of total Cytochrome P450 8B1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-CYP8B1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Liver.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Horse (85%), Sheep (92%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA325392 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from 293 cells, using Cytochrome P450 8B1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP8B1 antibody	Function: Involved in bile acid synthesis and is responsible for the conversion of 7 alpha-hydroxy-4-cholesten-3-one into 7 alpha, 12 alpha-dihydroxy-4-cholesten-3-one. Responsible for the balance between formation of cholic acid and chenodeoxycholic acid. Has a rather broad substrate specificity including a number of 7-alpha-hydroxylated C27 steroids. Similarity: Belongs to the cytochrome P450 family.
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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	Observed: 58 kD Predicted: 59 kDa
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 member 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

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/cytochrome-p450-8b1-antibody-immunohistochemistry-western-blot-elisa/325392>