

Rabbit anti-Human CYP7B1 Polyclonal Antibody | anti-CYP7B1 antibody

CYP7B1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283675	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CYP7B1; Polyclonal Antibody; CYP7B1 Antibody (Center); 25-hydroxycholesterol 7-alpha-hydroxylase; Cytochrome P450 7B1; Oxysterol 7-alpha-hydroxylase; anti-CYP7B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP7B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the Central region of human CYP7B1.
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	252-281
Sequence Length	506
Applicable Applications for anti-CYP7B1 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), 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



IF (Immunofluorescence)

Confocal immunofluorescent analysis of CYP7B1 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)

CYP7B1 Antibody (Center) flow cytometric analysis of Hela 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 brain tissue reacted with CYP7B1 Antibody (Center), 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 CYP7B1 Antibody (Center) in Hela cell line lysates (35ug/lane). CYP7B1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CYP7B1 antibody	CYP7B1 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 first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis.
Product Categories/Family for anti-CYP7B1 antibody	Cancer ; Cardiovascular ; Metabolism ; Signal transduction
References	Schwarz,M., et.al., Curr. Opin. Lipidol. 9 (2), 113-118 (1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758104
NCBI GeneID	9420
NCBI Accession #	NP_004811.1
NCBI GenBank Nucleotide #	NM_004820.3
UniProt Accession #	O75881 ; Q9UNF5 ; B2RN07
Molecular Weight	58256
NCBI Official Full Name	25-hydroxycholesterol 7-alpha-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 7, subfamily B, polypeptide 1
NCBI Official Symbol	CYP7B1
NCBI Official Synonym Symbols	CP7B; CBAS3; SPG5A
NCBI Protein Information	25-hydroxycholesterol 7-alpha-hydroxylase
UniProt Protein Name	25-hydroxycholesterol 7-alpha-hydroxylase
UniProt Gene Name	CYP7B1
UniProt Entry Name	CP7B1_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/cyp7b1-antibody-western-blot-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/283675>