Datasheet for ABIN652732

anti-CYP7B1 antibody (AA 252-281)

4 Images

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Overview

Quantity:	400 µL
Target:	CYP7B1
Binding Specificity:	AA 252-281
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP7B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB17087
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CYP7B1
Alternative Name:	CYP7B1 (CYP7B1 Products)

Target Details

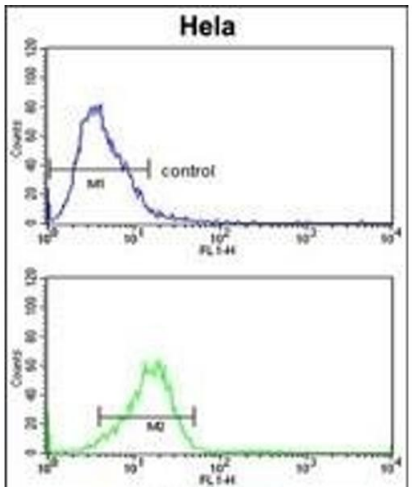
Background:	CYP7B1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first 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.
Molecular Weight:	58256
Gene ID:	9420
NCBI Accession:	NP_004811
UniProt:	O75881
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Biosynthesis, Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

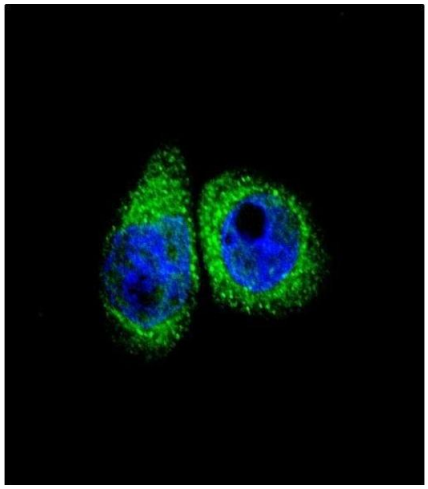
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



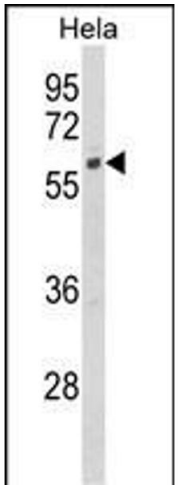
Flow Cytometry

Image 1. CYP7B1 Antibody (Center) (ABIN652732 and ABIN2842485) 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.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of CYP7B1 Antibody (Center) (ABIN652732 and ABIN2842485) with Hela cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. Western blot analysis of CYP7B1 Antibody (Center) (ABIN652732 and ABIN2842485) in Hela cell line lysates (35 µg/lane). CYP7B1 (arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 4 images are available for ABIN652732.