

For Research Use Only

# CYP7B1 Polyclonal antibody

Catalog Number: 24889-1-AP **20 Publications**



## Basic Information

<b>Catalog Number:</b> 24889-1-AP	<b>GenBank Accession Number:</b> BC136574	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9420	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75881	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 7, subfamily B, polypeptide 1	
<b>Immunogen Catalog Number:</b> AG19374	<b>Calculated MW:</b> 506 aa, 58 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, IHC, ELISA	<b>Positive Controls:</b> WB : A431 cells, HEK-293 cells, mouse liver tissue IHC : human liver cancer tissue, human brain tissue, human liver tissue IF : HEK-293 cells, HeLa cells
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CYP7B1(Cytochrome P450 7B1) is also named as 25-hydroxycholesterol 7-alpha-hydroxylase and belongs to the cytochrome P450 family. It catalyzes the first and rate-limiting step in the coconversion of cholesterol to bile acids and CYP7B1-mediated catalysis may play a role for control of the cellular levels of androgens, not only of estrogens.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenyun Li	34563664	J Nutr Biochem	WB
Dandan Zhong	30196282	Cell Physiol Biochem	WB
Yanan Chen	31628911	Biochem Pharmacol	WB

## Storage

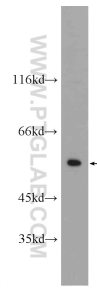
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

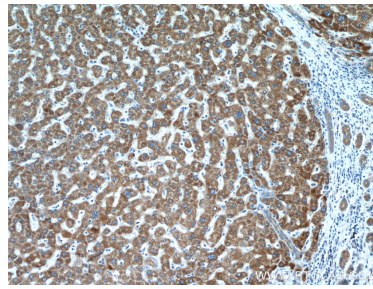
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

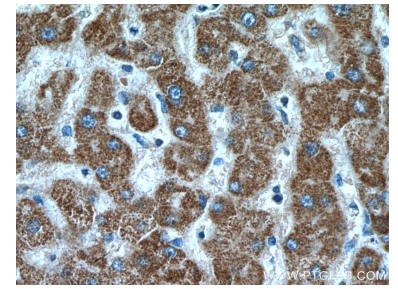
## Selected Validation Data



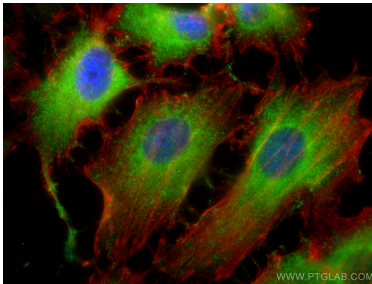
A431 cells were subjected to SDS PAGE followed by western blot with 24889-1-AP (CYP7B1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



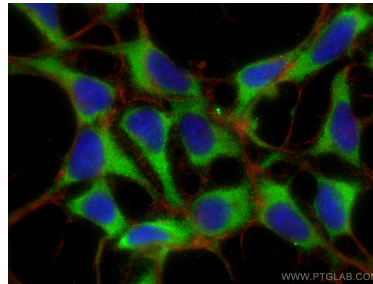
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24889-1-AP (CYP7B1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24889-1-AP (CYP7B1 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CYP7B1 antibody (24889-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CYP7B1 antibody (24889-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).