

CYP7A1 Polyclonal antibody

Catalog Number: 18054-1-AP

10 Publications

Basic Information

Catalog Number: 18054-1-AP	GenBank Accession Number: BC101777	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 1581	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: cytochrome P450, family 7, subfamily A, polypeptide 1	
Isotype: IgG	Calculated MW: 504 aa, 58 kDa	
Immunogen Catalog Number: AG12572	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, mouse liver tissue, rat liver tissue, HuH-7 cells, L02 cells, SMMC-7721 cells
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse, Hamster	

Background Information

CYP7A1 (Cytochrome P450 Family 7 Subfamily A Member 1), is a cholesterol 7 α -hydroxylase, catalyzing the first and rate-limiting step in the neutral or classic pathway for bile acid biosynthesis. CYP7A1 is a postulated gene modifier of colorectal cancer risk and target for the therapeutic bile acid, ursodeoxycholic acid (UDCA). The CYP7A1 enzyme controls the rate-limiting step of the catabolism of cholesterol into bile acids in the liver.

Notable Publications

Author	Pubmed ID	Journal	Application
Disi Bai	29722875	Toxicol Sci	WB
Shinkichi Kosaka	35367370	J Steroid Biochem Mol Biol	IHC
Yao Jiang	29922118	Food Nutr Res	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.

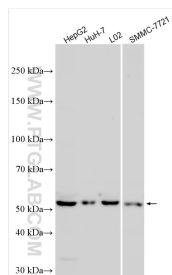
Aliquoting is unnecessary for -20°C storage

*** 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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18054-1-AP (CYP7A1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.