

For Research Use Only

CYP7A1 Polyclonal antibody, PBS Only

Catalog Number: 18054-1-PBS



Basic Information

Catalog Number: 18054-1-PBS	GenBank Accession Number: BC101777	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1581	
Source: Rabbit	UNIPROT ID: P22680	
Isotype: IgG	Full Name: cytochrome P450, family 7, subfamily A, polypeptide 1	
Immunogen Catalog Number: AG12572	Calculated MW: 504 aa, 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

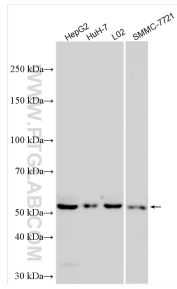
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

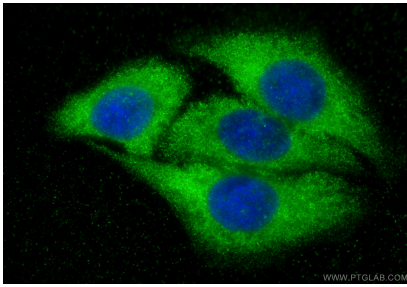
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



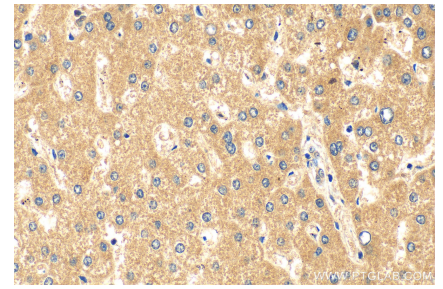
Various lysates were subjected to SDS PAGE followed by western blot with 18054-1-AP (CYP7A1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18054-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CYP7A1 antibody (18054-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 18054-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18054-1-AP (CYP7A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18054-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18054-1-AP (CYP7A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18054-1-PBS in a different storage buffer formulation.