

For Research Use Only

CYP7B1 Recombinant antibody

Catalog Number: 82927-1-RR



Basic Information

Catalog Number: 82927-1-RR	GenBank Accession Number: BC136574	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9420	CloneNo.: 230160H5
Source: Rabbit	UNIPROT ID: O75881	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: cytochrome P450, family 7, subfamily B, polypeptide 1	
Immunogen Catalog Number: AG19374	Calculated MW: 506 aa, 58 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : A549 cells, HepG2 cells, HeLa cells, HCT 116 cells IF/ICC : HepG2 cells, HEK-293 cells
Species Specificity: human	

Background Information

CYP7B1(Cytochrome P450 7B1) is also named as 25-hydroxycholesterol 7- α -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.

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

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

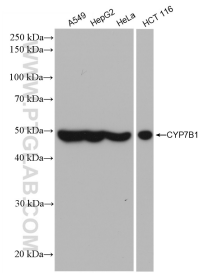
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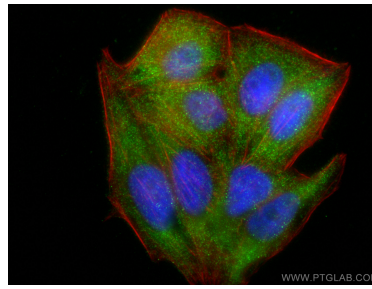
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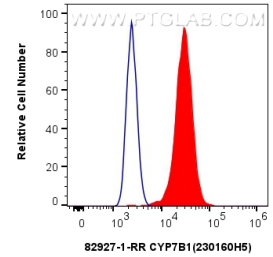
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82927-1-RR (CYP7B1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CYP7B1 antibody (82927-1-RR, Clone: 230160H5) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug CYP7B1 Recombinant antibody (82927-1-RR, Clone:230160H5) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).