

For Research Use Only

# CYP7A1 Recombinant antibody, PBS Only

Catalog Number: 86045-2-PBS



## Basic Information

|                                      |   |  |
|--------------------------------------|---|--|
| Catalog Number:<br>86045-2-PBS       | GenBank Accession Number:<br>BC101777                               | Purification Method:<br>Protein A purification |
| Concentration:<br>1 mg/ml            | GeneID (NCBI):<br>1581  | CloneNo.:<br>250554G10                         |
| Source:<br>Rabbit                    | UNIPROT ID:<br>P22680   |  |
| Isotype:<br>IgG                      | Full Name:<br>cytochrome P450, family 7, subfamily A, polypeptide 1 |  |
| Immunogen Catalog Number:<br>AG12572 | Calculated MW:<br>504 aa, 58 kDa                                    |  |
|                                      | Observed MW:<br>58 kDa  |  |

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human, mouse

## Background Information

CYP7A1 (Cytochrome P450 Family 7 Subfamily A Member 1), is a cholesterol 7 $\alpha$ -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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only, pH7.3

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

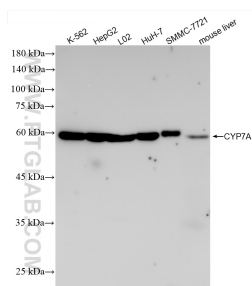
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86045-2-RR (CYP7A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86045-2-PBS in a different storage buffer formulation.