

For Research Use Only

# CYP7A1 Recombinant antibody

Catalog Number: 86045-2-RR



## Basic Information

<b>Catalog Number:</b> 86045-2-RR	<b>GenBank Accession Number:</b> BC101777	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1581	<b>CloneNo.:</b> 250554G10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22680	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 7, subfamily A, polypeptide 1	
<b>Immunogen Catalog Number:</b> AG12572	<b>Calculated MW:</b> 504 aa, 58 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> K-562 cells, HepG2 cells, L02 cells, HuH-7 cells, SMMC-7721 cells, mouse liver tissue

## 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

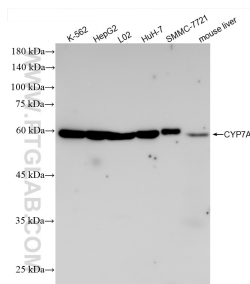
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

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