

For Research Use Only

# CYP7A1 Recombinant antibody

Catalog Number: 86045-2-RR



## Basic Information

Catalog Number:

86045-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12572

GenBank Accession Number:

BC101777

GeneID (NCBI):

1581

UNIPROT ID:

P22680

Full Name:

cytochrome P450, family 7, subfamily A, polypeptide 1

Calculated MW:

504 aa, 58 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

250554G10

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : 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 7α-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

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

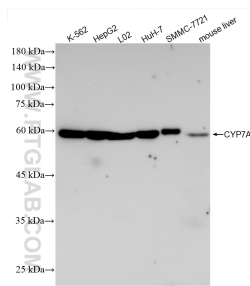
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## Selected Validation Data



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.