

For Research Use Only

CYP8B1 Polyclonal antibody

Catalog Number: 55217-1-AP



Basic Information

Catalog Number:

55217-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004391

GeneID (NCBI):

1582

UNIPROT ID:

Q9UNU6

Full Name:

cytochrome P450, family 8, subfamily B, polypeptide 1

Calculated MW:

58 kDa

Observed MW:

50-58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, L02 cells, SMMC-7721 cells

IHC : mouse liver tissue,

IF/ICC : HepG2 cells,

Background Information

Cytochrome P450 8B1 (CYP8B1), also named as CP8B, CYP12 and CYPVIII B1, is an enzyme required for the synthesis of cholic acid (CA) in the classic bile acid synthesis pathway. CYP8B1 controls biliary balance of cholic acid and chenodeoxycholic acid, ultimately regulating the intestinal absorption of dietary lipids.

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

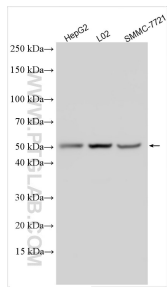
For technical support and original validation data for this product please contact:

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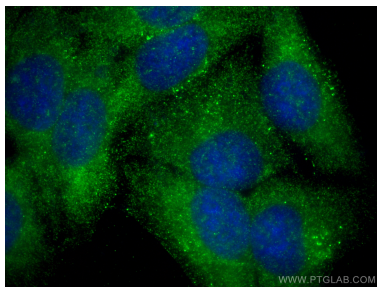
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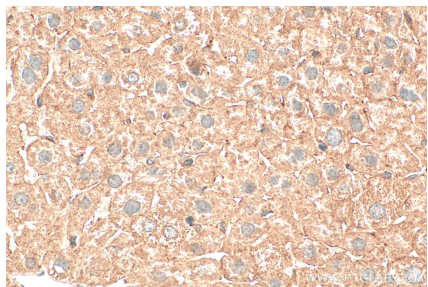
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55217-1-AP (CYP8B1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CYP8B1 antibody (55217-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 55217-1-AP (CYP8B1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).