

For Research Use Only

Cyp4a12a Polyclonal antibody

Catalog Number: 51157-1-AP

1 Publications



Basic Information

Catalog Number:

51157-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 613 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0509

GenBank Accession Number:

NM_177406

GeneID (NCBI):

277753

UNIPROT ID:

Q91WL5

Full Name:

cytochrome P450, family 4, subfamily a, polypeptide 12a

Observed MW:

58-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

mouse, rat, human

Cited Species:

rat

Positive Controls:

WB : mouse liver tissue,

IHC : rat liver tissue,

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

Background Information

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. Mouse Cyp4a12a oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. For modification, the MW of Cyp4a12a is about 58-70 kDa in western blot detection.

Notable Publications

Author	Pubmed ID	Journal	Application
Shumei Ding	31163124	Exp Cell Res	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

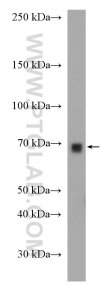
For technical support and original validation data for this product please contact:

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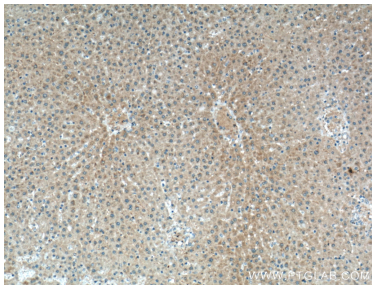
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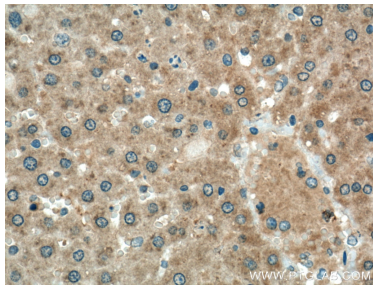
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 51157-1-AP (Cyp4a12a antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 51157-1-AP (Cyp4a12a antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 51157-1-AP (Cyp4a12a antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).