

# Cyp4a12a Polyclonal antibody

Catalog Number: 51157-1-AP

1 Publications

## Basic Information

**Catalog Number:**

51157-1-AP

**Size:**

600 µg/ml

**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:**

IHC, WB, 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:**

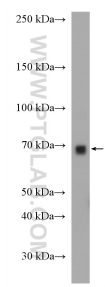
Store at -20°C.

**Storage Buffer:**

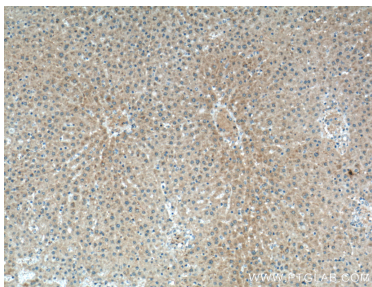
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

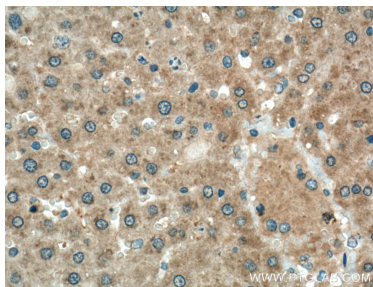
Selected Validation Data



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).