

For Research Use Only

Cyp4a12a Polyclonal antibody

Catalog Number: 51157-1-AP **1 Publications**



Basic Information

Catalog Number: 51157-1-AP	GenBank Accession Number: NM_177406	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 613 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 277753	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: cytochrome P450, family 4, subfamily a, polypeptide 12a	
Isotype: IgG	Observed MW: 58-70 kDa	
Immunogen Catalog Number: AG0509		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse liver tissue,
Species Specificity: mouse, rat, human	IHC: rat liver tissue,
Cited Species: rat	

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

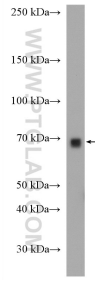
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

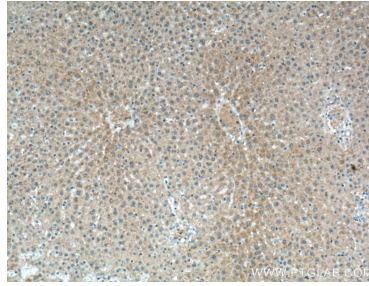
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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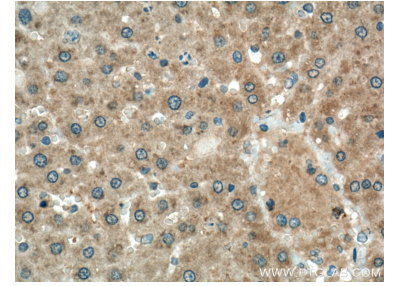
Selected Validation Data



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).