

For Research Use Only

CYP3A4 Polyclonal ANTIBODY



Catalog Number: 18227-1-AP

10 Publications

Basic Information

Catalog Number:
18227-1-AP

Size:
70 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13074

GenBank Accession Number:
BC101631

GeneID (NCBI):
1576

Full Name:
cytochrome P450, family 3, subfamily A,
polypeptide 4

Calculated MW:
503aa, 57 kDa

Observed MW:
51-57 kDa

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : rat liver tissue; mouse liver tissue, mouse
brain tissue

IHC : human 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

Cytochrome P450 3A(CYP3A) belongs to the cytochrome P450 family and the enzymes constitute an important detoxification system that contributes to primary metabolism of more than half of all prescribed medications. CYP3A expression determines impairment of drug absorption and efficient systemic clearance in a tissue-specific manner(PMD:17975676).

Notable Publications

Author	Pubmed ID	Journal	Application
Linjie Lv	25203445	Hepatology	IF
Siva Daniel D	23118901	PLoS One	IHC
Yan-Ying Wang	25350237	Xenobiotica	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

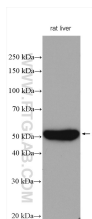
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

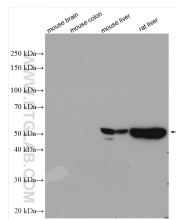
E: proteintech@ptglab.com
W: ptglab.com

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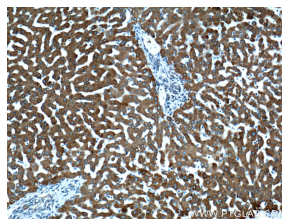
Selected Validation Data



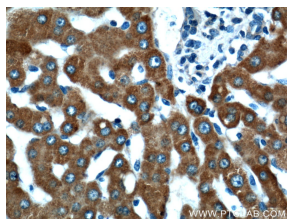
Rat liver tissue was subjected to SDS PAGE followed by western blot with 18227-1-AP (CYP3A4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours



Various lysates were subjected to SDS PAGE followed by western blot with 18227-1-AP (CYP3A4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours (mouse brain tissue and mouse colon tissue are negative control)



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18227-1-AP (CYP3A4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18227-1-AP (CYP3A4 Antibody) at dilution of 1:200 (under 40x lens).