CYP3A4 Polyclonal ANTIBODY
Catalog Number: 18227-1-AP

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: 505aa, 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

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: rat liver tissue; mouse liver tissue, mouse brain tissue
IHC: human liver tissue;

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 (PMID: 17975676).

Notable Publications

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<th>Author</th>
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<td>Zhenyu Wang</td>
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<td>Theranostics</td>
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<td>Linjie Lv</td>
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<td>Sliva Daniel D</td>
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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: proteintechnical@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
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).